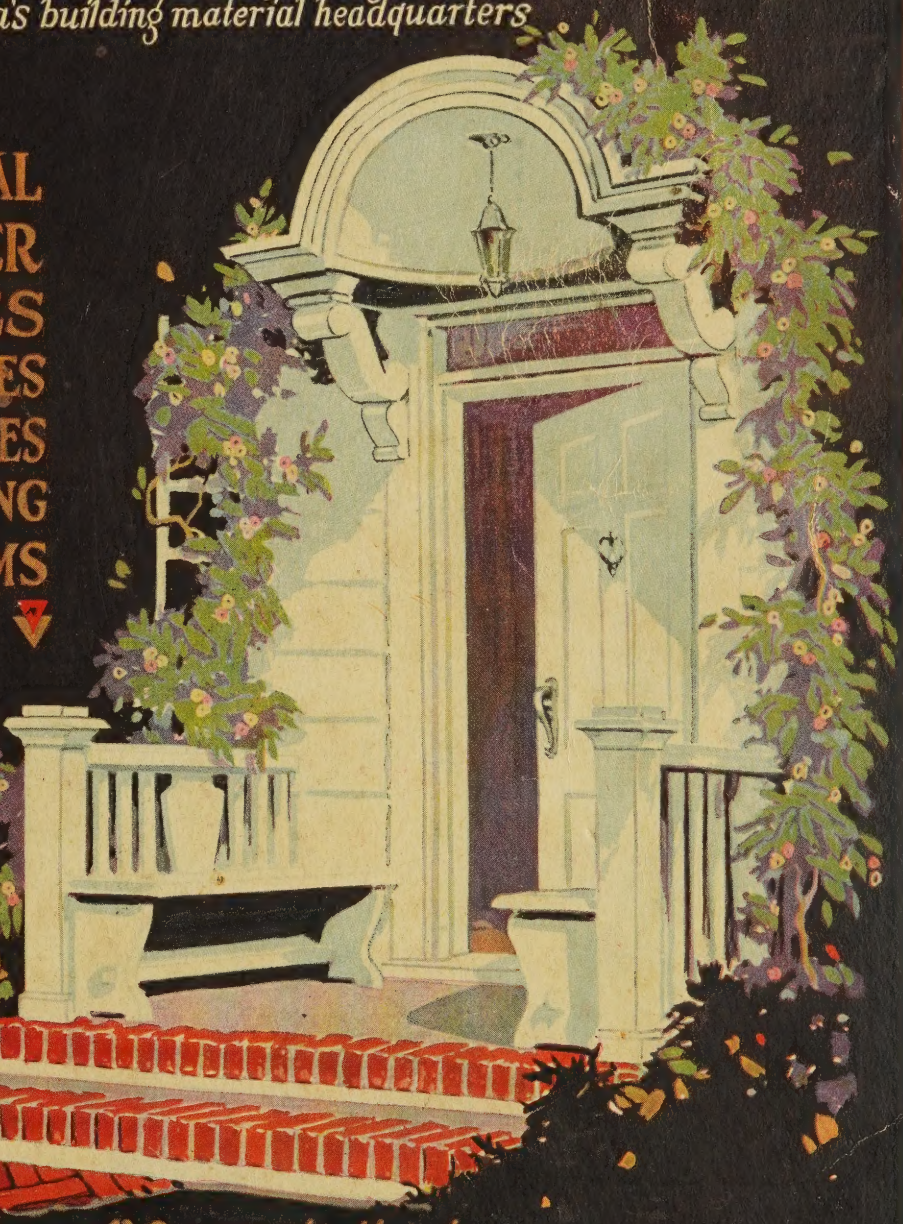
HARRIS BROTHERS Co.
Chicago

For More Than 30 Years
we have been nationally recognized as
America's building material headquarters

BUILDING MATERIAL
MILLWORK-LUMBER
HARRIS HOMES
PRESTO-UP GARAGES
LAKESIDE COTTAGES
PERFECTION PLUMBING
and HEATING SYSTEMS



This Book is the
OPEN DOOR *to Big*
Economy for those
Who Intend to Build-
Improve - Repair!

Address all Communication to -
HARRIS BROTHERS Co.
35th and Iron Sts. Chicago

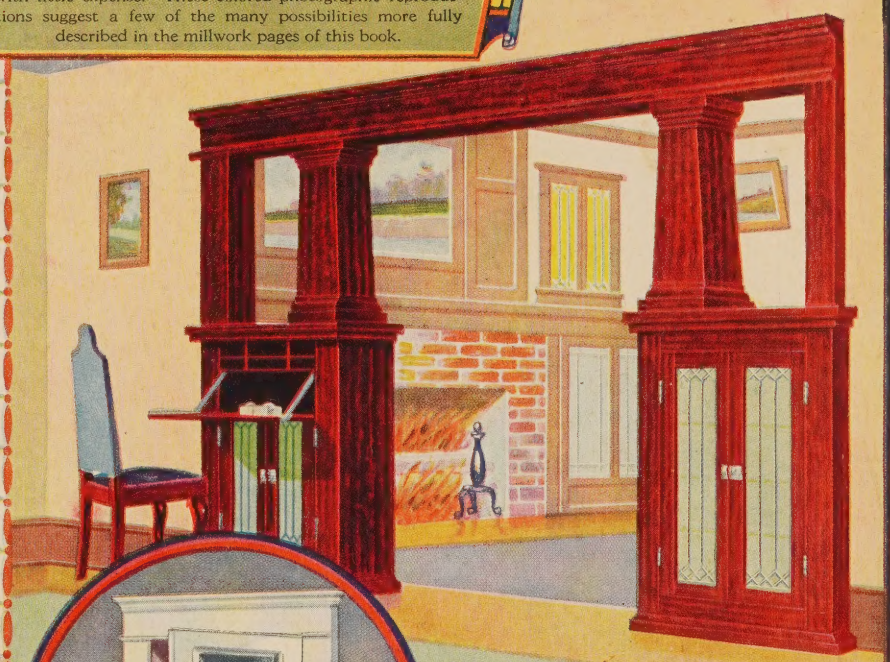
Millwork Suggestions for the Home!

There are innumerable ways that you can add beauty and comfort to your home, increasing the value of your property with little expense. These colored photographic reproductions suggest a few of the many possibilities more fully described in the millwork pages of this book.

Shakespeare Front Door

First impressions are many times best. If there is any single thing about a house that makes a good first impression, that one thing is the front door. Our "Shakespeare" door in red oak, Northern birch or White Pine, showing the natural grain of the wood, with its artistic glazing is an embodiment of good taste.

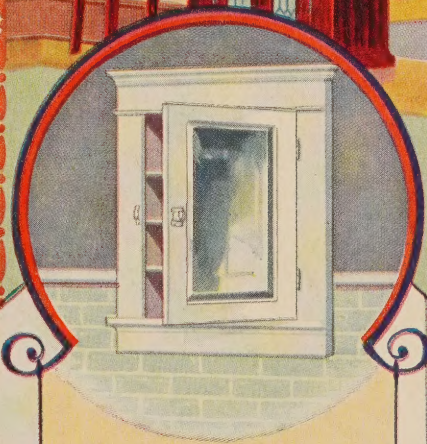
There are many other handsome designs in the door pages of this book.



Writing Desk and Bookcase Colonnade

Here is a built-in convenience that will not only beautify the interior of your home with its impressive appearance, but add ever-convenient cases for your books, china or antiques and serve you with a spacious writing desk as well.

But one of the many splendid lesigns presented in the colonnade pages which follow.



Medicine Cabinet

No bathroom is complete without a built-in medicine cabinet. But you should be careful in your choice to select a cabinet of trim, neat appearance properly arranged for storage and sanitation. See the splendid designs in the cabinet pages of this book.

Astoria Buffet

The addition of a modern attractive built-in buffet is nearly as simple as setting any piece of furniture in place. The design and construction of this artistic buffet with its spacious cupboards, convenient drawers, mirrored top and leaded crystal glazed doors will delight you with the finished appearance it will give your dining room. Other designs will be found in the buffet pages of this book.

An Inviting Breakfast Alcove

Like all other articles of built-in furniture, the breakfast alcove combines usefulness, beauty, and convenience. It is attractive and inviting—a time and step saver for the housewife. Even the smallest home can be greatly improved by allowing sufficient space for this little nook. Full details of this outfit in many sizes will be found in the cabinet pages of this book.

Copyright 1924 by Harris Brothers Company

1929

A Complete Expert Service —

for those who intend to build or improve..

AN INVITATION

from the President of

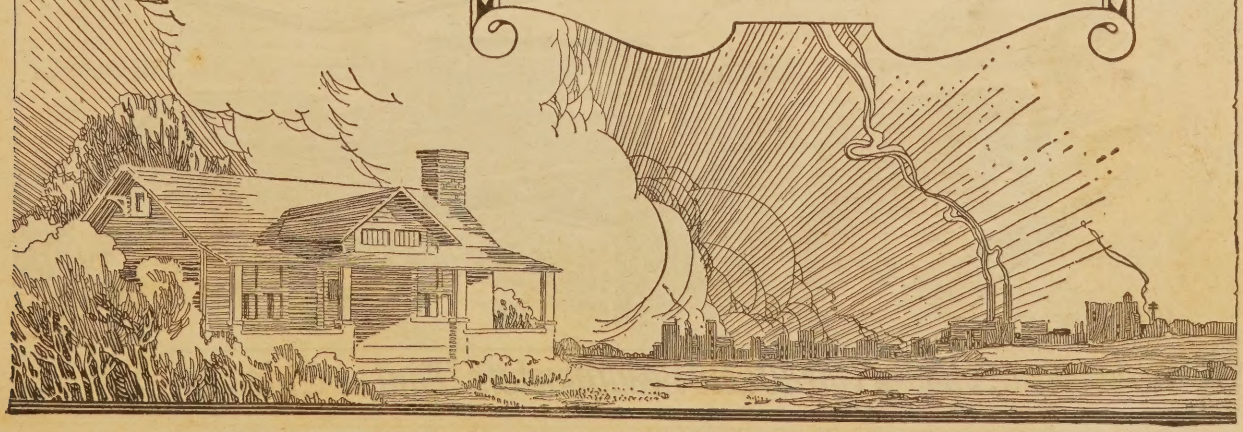
HARRIS BROTHERS CO.

¶ Thirty-two years ago we started this business with the full realization that our success or failure depended solely upon our ability to serve. The result is our $10,000,000 institution and satisfied customers in every section of the country.

¶ Through all these years our expert engineers and estimators have collected a priceless store of information which could only come to us by direct dealing with countless thousands like you. With this valuable and varied knowledge, we solicit your patronage, prepared to give you better qualities, lower prices and a helpful time and trouble saving service.

¶ We invite your letters of inquiry. Experts are waiting here to help you—to point out the "short cuts" to satisfaction—the direct, sure and certain route to true economy. They will show you the best way to build your home, the proper way to decorate and furnish it. They are able to tell you which will be the best heating plant for your building and the most economical way to install it—the kind of plumbing you should buy to get what is best suited to your individual requirements—the right amount of paint and the correct color combinations for your buildings—how to figure roofing, wall-board, lumber; or, better, they will figure every detail for you and inform you fully, in simple, easily-understood language. How can we help you?

A. HARRIS, *President*



HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

58

AVERY LIBRARY
COLUMBIA UNIVERSITY

Let THIS Protect You in all Your Buying

Capital $10,000,000 Stock

Our Guarantee

We Guarantee that every article of material and merchandise in this book is exactly as illustrated and represented, that every article you receive will meet your highest expectations in value, service and satisfaction.

We Guarantee to satisfy you in all your dealings. If you are not entirely pleased we will permit the return of any material or merchandise purchased from us at our expense. We will then return your money with any transportation charges you have paid, or we will exchange the returned goods or satisfy you otherwise.

HARRIS BROTHERS COMPANY 35th and Iron Streets CHICAGO

Established 1892

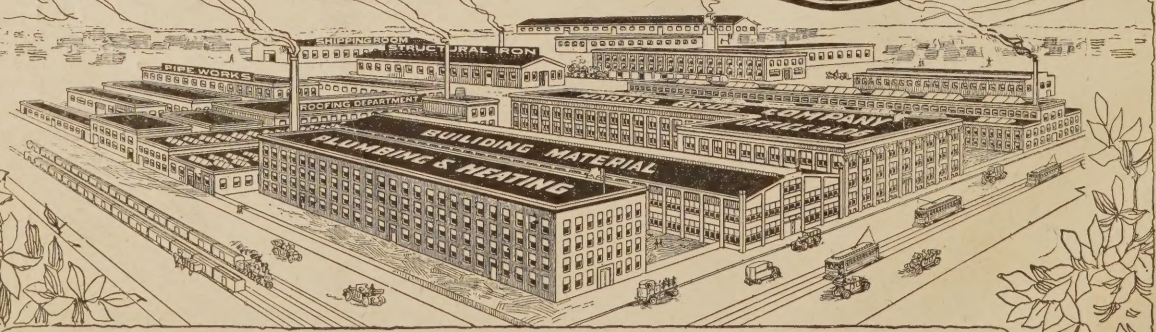
This guarantee covers every purchase from this book, large or small—written with protection to you in all your buying, as its only object. Every promise, every statement, every word, is backed by ten million dollars and our entire institution.

CONTENTS

Included in this book are our complete catalog of building material, our Plan Book of Harris Homes and our catalogs of Presto-Up Garages, Lakeside Cottages and Presto-Up Permanent Homes. The brief index below will serve as a quick ready reference to the various divisions of material.

	PAGE
Millwork	8
Lumber	50
Eaves Trough	52
Wallboard	55
Plasterboard	54
Builders' Hardware	59
Harris Homes	97
Furniture and Rugs	375
Plumbing	241
Pipe and Fittings	271
Heating	274
Wire Fencing	291
Electric Fixtures	68
Electrical Supplies	72
Paint	76
Steel and Steel Buildings	86-336
Tanks	302
Roofing	82
Farm Implements	338
Hardware	304
Belt and Hose	350
Presto-Up Houses	191
Presto-Up Garages	225
Machinery	356

Refer to Green Pages for Itemized Index, Terms and Information



Aeroplane view of Our 40 acre Headquarters Plant at Chicago

40 Acres of Bargains —and the Reason!!

FOR more than thirty years, we have been nationally recognized as America's Building Material Headquarters. And we are justly proud of the title for we have worked hard to gain and retain our leadership. Through all these years the dependable quality of our products and honest business methods have won for us the respect, patronage and support of careful, thrifty buyers in every section of the country. But more important we point with pride to our "smashing" low prices which have been as they are today, the lowest quoted on high grade building materials and supplies.

Selections—Savings—Service—Satisfaction!

Our great factories and warehouses here at our centrally located headquarters plant at Chicago under our direct supervision gives us an overwhelming advantage in maintaining our high standard of quality, in improving our service, in introducing new ways and means to cut manufacturing expense which reduce our prices to you. With few exceptions, every article in this book is in stock at Chicago for quick shipment.

This book brings you the "cream" of America's products. Dependable materials from most reliable sources of supply. It places before you wide selections in every needed item to build and improve your property and equipment. Every page emphatically asserts our price smashing supremacy. Every article proves beyond all question of doubt our leadership in value giving.

Our Terms:

Unless otherwise stated our terms are uniformly cash with order. That means we always require cash in part or in full, depending upon price quotations in this book or our special letter quotations. Shipment will be made C. O. D., provided a deposit of 25% accompanies your order, balance to be paid C. O. D., except if you live at a point where there is no freight agent.

References:

We refer you to any commercial agency—any bank or banker—any express company—or publisher of any paper concerning our responsibility. We have established an enviable reputation and an unquestioned business standing by our fair, square deal methods which have been the corner stone to this business for thirty-two years.

It's Easy to Order from this Book

Refer to the index on the green pages in the back of this book. Pick out the things you want and write on our order blank or any plain sheet of paper, the name of the article, our catalog number, giving size, finish or such description as is called for. Give your complete name, P. O. address, shipping point and state how you want shipment made—whether by parcel post, express or freight. Mail your order to us using the return envelope enclosed or any other envelope you may have including the necessary remittance to cover the amount required. If the amount is not figured exactly, we will return the balance due you or we will bill you for any small difference due us. Simple directions for figuring transportation charges will be found in the green pages.

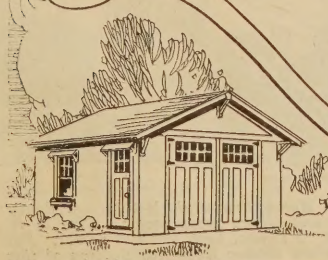
Branches and Warehouses

Unless otherwise stated, all articles in this book will be shipped to you direct from our headquarters plant here at Chicago. You will note there are many articles of heavy equipment and supplies quoted for shipment direct from warehouses at various points. This enables us to maintain our low prices by eliminating handling, transportation and warehouse expenses. Much of the staple merchandise in this book can be furnished from our big branch headquarters plants located at the following points:

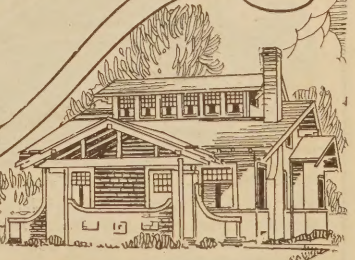
EASTERN HEADQUARTERS
Cresskill, New Jersey

NORTHWEST HEADQUARTERS
St. Paul, Minnesota

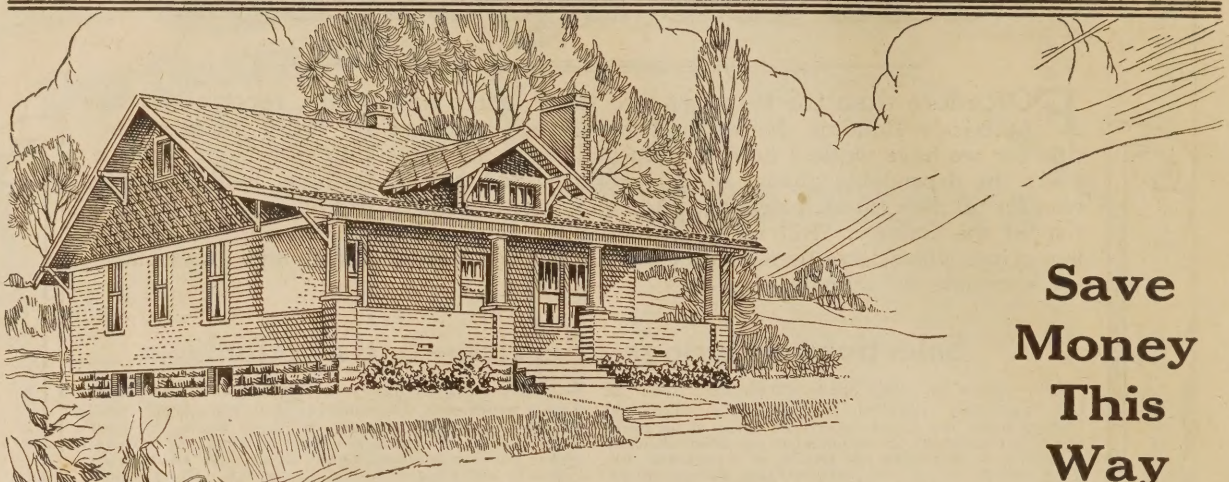
NEW YORK SALES OFFICE AND SHOWROOM
122 Fifth Avenue
NEW YORK, N. Y.



The big savings in this book will mean much to your friends. Lend them this book, or tell them that it is free and sent postpaid on request.



HARRIS



Harris Home Beautiful, B-1006. Size 30 ft. x 26 ft. 5 large rooms and bath. Space upstairs for Future rooms if desired. See HARRIS HOMES PLAN SECTION of this book.

Save Money This Way

THE HARRIS WAY!

1—Free Plans Designed by Expert Builders.
2—Direct to you one profit prices.
3—Our Ready-Cut material eliminates waste.
4—Accurate machine cutting.
5—Sufficient quantities guaranteed.
6—High priced mechanics not necessary.
7—Best grades of material thruout.
8—Heavy framing triple corners.
9—Time required for carpenter work can be cut in half.
10—A comfortable home built to stay.

Please Read!

Harris Brothers Company,
Chicago, Illinois.
Dear Sirs:—

Just a few lines to tell you how I am getting along with my home.

Everything has worked out fine. Both my wife and myself are more than pleased with everything and the courteous treatment received from your company. You can rest assured that we are and always will be Harris Boosters.

If at any time you wish to use us for reference you may do so.

Yours for a prosperous New Year.

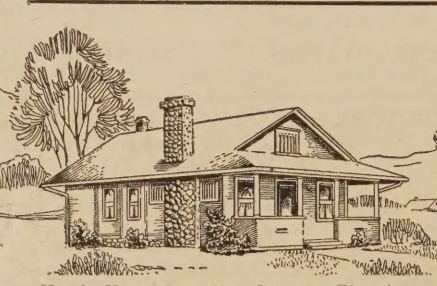
Respectfully,
(Signed) P. A. Frank.

—Ask for Letters of Testimony from Builders in Your Vicinity

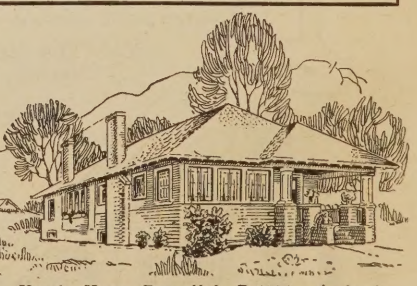
Our Money-Back Guarantee!

We guarantee to furnish sufficient material as outlined on our descriptive material lists to build each Harris Home according to our free blue print plans and Plan Book description. Safe and sound delivery guaranteed.
—HARRIS BROTHERS COMPANY.

Harris Home Beautiful, B-1017. Stucco exterior, size 24 ft. x 36 ft. 5 rooms and bath. See floor plan Homes Beautiful Section of this catalog.

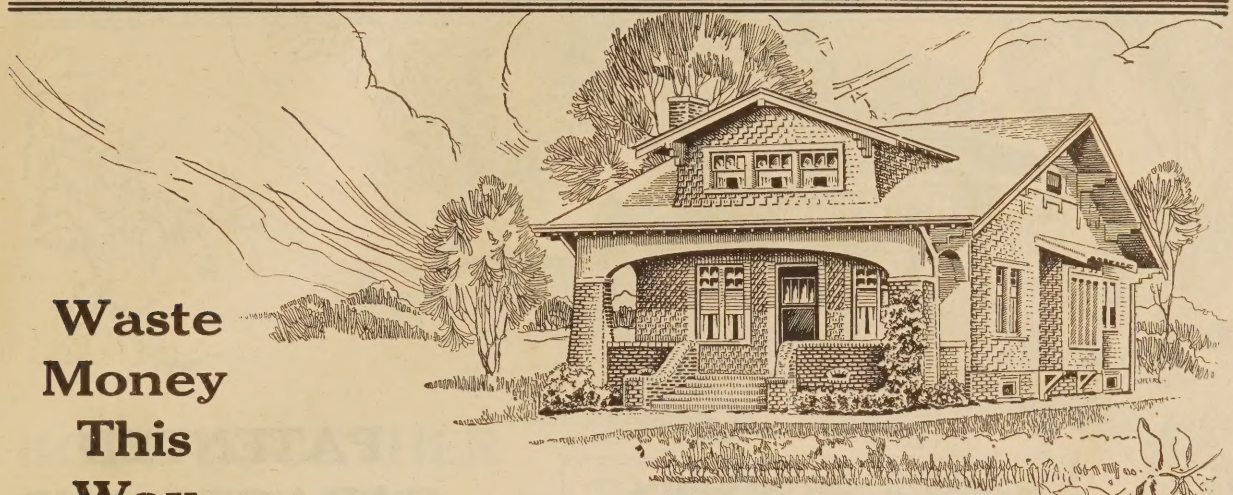


Harris Home Beautiful, B-1005. The size, 24 ft. x 32 ft. 5 rooms and bath. For details see Homes Beautiful Section of this catalog.



Harris Home Beautiful, B-1025. A dandy stucco and siding combination. Size 25 ft. x 41 ft. 5 rooms, bath and sun parlor. For details see Homes Beautiful Section of this catalog.

HOMES



Waste Money This Way

Harris Home Beautiful, B-1503, Size 26 ft. x 40 ft. 5 large rooms and bath. Space upstairs for 3 large rooms and extra bath if needed in the future. See HARRIS HOMES PLAN SECTION of this book.

THE OLD WAY

1—Poor plans or no plans at all.
2—Small material dealer—high prices.
3—Immense waste—high priced firewood.
4—Poor workmanship.
5—Many extras.
6—Excessive labor cost.
7—Questionable material—no guarantee.
8—Poor construction.
9—Months consumed in erection.
10—Result: dissatisfaction—repair bills.

Please Read!

Harris Brothers Company,
Chicago, Illinois.
Gentlemen:—

I have been in the building business for thirty-five years and have used a great deal of Ready-Cut material furnished under the Harris System. I have also handled ready-cut materials furnished by practically all other companies in that business, but do not hesitate to tell you that I have found your material far superior in every way, and your System very simple and easy to understand. Any one can build a Ready-Cut Harris Home and get a perfect job.

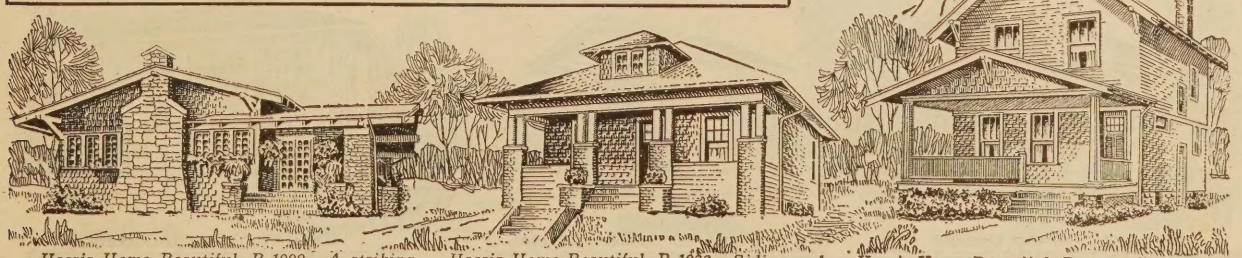
Yours very truly,
(Signed) W. D. Deemer.

Ask for Names of Satisfied Builders in Your Locality

Know the Finished Cost BEFORE You Build!

$2 BRING YOU— Preliminary Blue Prints / Descriptive Material List / Specifications / Labor Survey

This exclusive, thorough and painstaking service is yours on any one of more than a hundred other Harris Homes shown on pages 65 to 160 of this book. More fully explained on page 158.

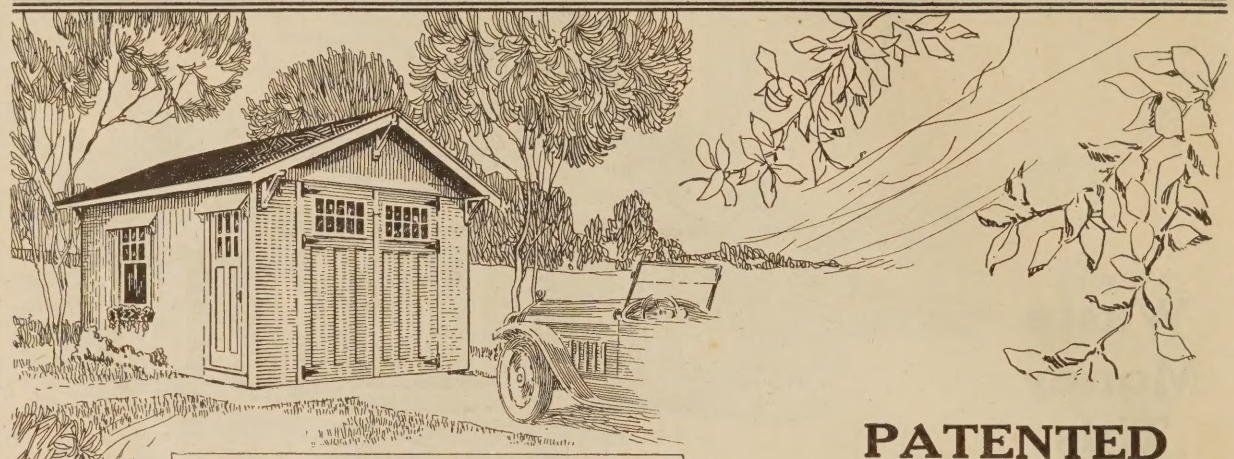


Harris Home Beautiful, B-1000. A striking California Bungalow—Size 28 ft. x 41 ft. 5 large rooms and bath. For details see Homes Beautiful Section of this catalog.

Harris Home Beautiful, B-1022. Siding and shingle exterior. 4 rooms, bath and addition. Size 26 ft. x 24 ft. For details see Homes Beautiful Section of this catalog.

Harris Home Beautiful, B-2001. Full 2 story houses are economical to build. This one has 6 rooms, bath and all modern conveniences. For details see Homes Beautiful Section of this catalog.

PRESTO-UP



PATENTED GARAGES AND

Model "B" One Car Garages

38-BG-44	10'-6" x 16'-6"	*See PRESTO-UP Section of this book for full description and prices*
38-BG-46	12'-6" x 16'-6"	
38-BG-47	12'-6" x 18'-6"	

EARN 100% ON YOUR INVESTMENT!

Presto-Up Garages Are the Wonder Buildings of the Age

IF YOU ARE PAYING GARAGE RENT, you are throwing your money away, even if it is as low as $8.00 per month. In the short space of two years, the cost of an average size PRESTO-UP Garage is paid in full with your rent savings, and you own a first-class building, to say nothing of the extra convenience you enjoyed by having your Garage right at hand.

Thousands of "Presto-up" Garages in Use in the City of Chicago.

WHY?

First—Because the quality of material is extraordinarily good.

Second—The construction is strong, practical and our method of cross-bracing, mortising, re-enforcing and inter-locking of units is superior to ordinary hand construction.

Third—Anyone can erect them It is a Saturday afternoon's sport to erect a one-car Garage. Easily understood instructions and plans furnished with the building.

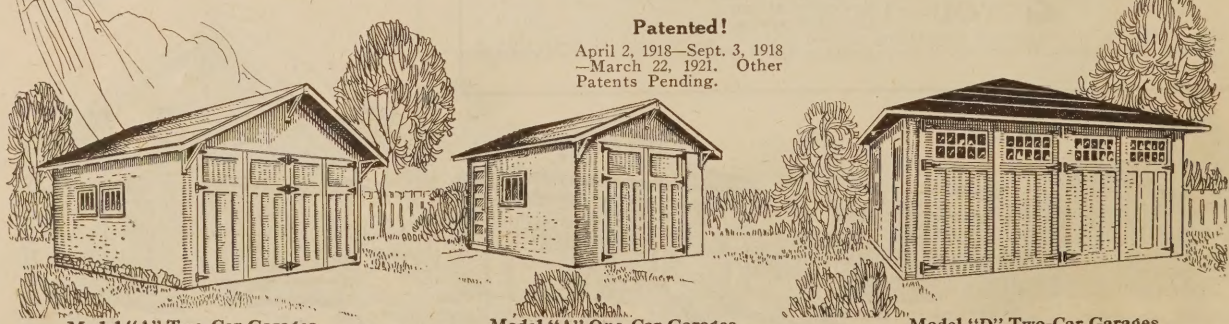
BRIEF SPECIFICATIONS

No. 1. 4x8 Bottom Sill.
No. 2. Clear Kiln Dried Oregon Fir Siding.
No. 3. Strictly No. 1 and Better Framing.
No. 4. Matched and Beaded Roof Sheathing.
No. 5. Patented PRESTO-UP Notch-Lock Truss.
No. 6. 4x6 Grooved Top Wall-Plate.
No. 7. 15-Year Guaranteed Slate-Coated Roofing, green or red color.
No. 8. Guaranteed "No-Sag" Countersunk Braced Front Doors, blind-mortised, tenoned, pinned and glued.
No. 9. No. 1 Quality Side Doors.
No. 10. All hardware furnished applied.
No. 11. Painted one good coat.
No. 12. Rabbeted Storm-Proof Windows.

Last, but not least, the Garage is shipped to you in convenient size sections. Many of the one-car Garages have been erected in three or four hours by two men of ordinary intelligence. Manufactured exclusively by us.

Patented!

April 2, 1918—Sept. 3, 1918 —March 22, 1921. Other Patents Pending.



Model "A" Two-Car Garages

Number	Ft. In.		Ft. In.	See pages 315 to 328 for full description and prices.
38-BG-12	16-6	x	18-6	
38-BG-14	18-6	x	18-6	
38-BG-16	20-6	x	20-6	

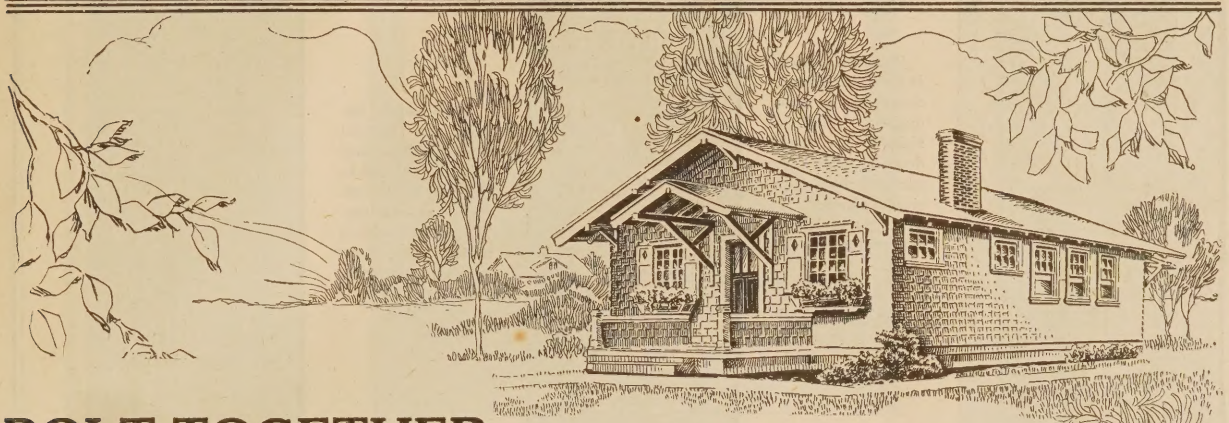
Model "A" One-Car Garages

Number	Ft. In.		Ft. In.	See pages 315 to 328 for full description and prices.
38-BG-5	10-6	x	16-6	
38-BG-9	12-6	x	18-6	
38-BG-10	12-6	x	20-6	

Model "D" Two-Car Garages

Number	Ft. In.		Ft. In.	See pages 315 to 328 for full description and prices.
38-BG-32	16-6	x	18-6	
38-BG-33	18-6	x	18-6	
38-BG-35	20-6	x	20-6	

BUILDINGS



BOLT-TOGETHER COTTAGES

The "Berkley" Presto-Up Cottage

Presto-Up Cottage for lakeside use, or permanent home. Size 20'5" x 28'5". Five rooms, bath, closets and porches.

See PRESTO-UP Section of this book for prices

BUILD YOUR OWN PRESTO-UP

Presto-Up Cottages and Bungalows Improve Your Property!

"PRESTO-UP" Patented Bolt-Together Cottages and Bungalows are still more wonderful than Presto-Up Garages.

Folks marvel at the excellent material, attractive designs, wonderful construction and simplicity of erection of Presto-Up Garages, described on the opposite page, but Presto-Up Cottages and Bungalows go still farther and reach practically perfection in sectional building art.

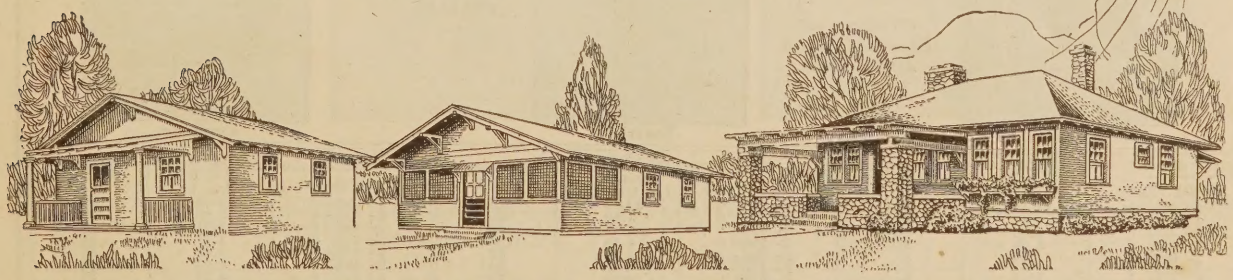
Space does not permit enumeration of the many wonderful construction features of these buildings. The "PRESTO-UP" section of this catalog gives full information. You must, in justice to yourself, read these pages before taking any definite action.

Presto-Up Cottages and Bungalows have been purchased and are in use by some of the very largest industrial corporations in the United States,—corporations that do not invest their money in "fly-by-night" products, but whose Engineering Department must approve—so you can rest assured that they are a proven product and what we say they are in every respect.

Presto-Up Buildings do not have the appearance of "portable" buildings—no ugly "up and down" battens show, or, in fact, no other evidence that they are sectional. Still they come to you in convenient sections, ready to bolt together, under our patented system, which gives you a building when finished, with concealed joints, many notch-lock features and quality material throughout. Many different types of both inside and outside walls to select from. Suitable for both warm and cold climates. These buildings are all machine and template made. Quality production by satisfied workmen means quantity production at lowest prices—hence, your saving.

Patented!

April 2, 1918—Sept. 3, 1918—March 22, 1921. Other Patents pending.



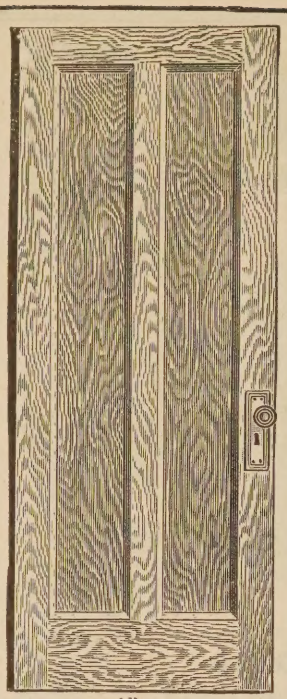
"Shorewood" Lakeside Cottage. Four different sizes. Two rooms and larger

"Glendale" Lakeside Cottage. Two room up to five room cottages, with screened living porches.

"Orleans" Presto-Up Permanent Bungalow, size 36'-5" x 24'-5", for suburbs or town home. Five rooms, bath, porch and plenty of closets.

See "PRESTO-UP" Section of this catalog for details and prices

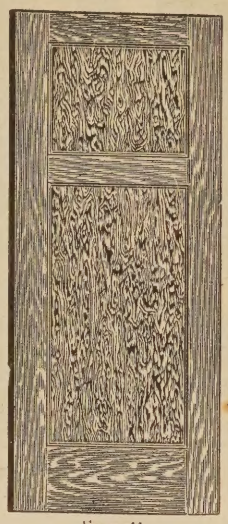
Clear Fir Interior Doors



Alberta

Beautiful designs in clear Fir interior doors of superior quality. You'll be able to use these doors to advantage particularly where either Colonial or Modern style of architecture is desired.

"Water-proof Glue" Is Used On All Our Doors.



Everett

They can be finished in natural wood, stained any color, or painted in Colonial White with perfect satisfaction. They are made to match front doors of similiar design in this book.

Rainier

These doors are of superior manufacture, being made with the solid edge Grain Stiles and Rails and with beautifully figured Slash Grain 3-ply laminated veneered Panels, guaranteed the best doors of their kind obtainable.

Sizes Width Height	ALBERTA 10-C-1921 1⅜ Ins. Thick	Shipping Weight
2- 0x6- 0	$4.19	28
2- 0x6- 6	4.40	30
2- 4x6- 6	4.85	30
2- 6x6- 6	5.09	34
2- 0x6- 8	4.49	32
2- 4x6- 8	4.97	34
2- 6x6- 8	5.17	36
2- 8x6- 8	5.42	38
2- 0x7- 0	4.85	36
2- 4x7- 0	5.33	38
2- 6x7- 0	5.57	40
2- 8x7- 0	5.81	42
3- 0x7- 0	6.34	46

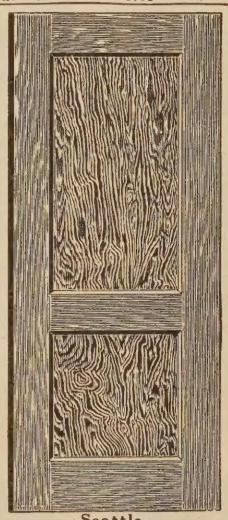
Sizes Width Height	EVERETT 10-C-1919 1⅜ Ins. Thick	Shipping Weight
2- 0x6- 0	$4.01	28
2- 0x6- 6	4.20	30
2- 4x6- 6	4.63	30
2- 6x6- 6	4.86	34
2- 0x6- 8	4.28	32
2- 4x6- 8	4.73	34
2- 6x6- 8	4.94	36
2- 8x6- 8	5.16	38
2- 0x7- 0	4.63	36
2- 4x7- 0	5.10	38
2- 6x7- 0	5.32	40
2- 8x7- 0	5.54	42
3- 0x7- 0	6.05	46

Sizes Width Height	RAINIER 10-C-1917 1⅜ Ins. Thick	Shipping Weight
2- 0x6- 0	$4.00	28
2- 0x6- 6	4.19	30
2- 4x6- 6	4.63	30
2- 6x6- 6	4.86	34
2- 0x6- 8	4.28	32
2- 4x6- 8	4.73	34
2- 6x6- 8	4.93	36
2- 8x6- 8	5.15	38
2- 0x7- 0	4.63	36
2- 4x7- 0	5.09	38
2- 6x7- 0	5.31	40
2- 8x7- 0	5.54	42
3- 0x7- 0	6.04	46

Olympia

These handsome clear fir doors are made with edge grain stiles and rails, which are best for strength, and with slash grain panels, best for beauty, thus forming a rare combination of durability and style.

"Water-proof Glue" Is Used On All Our Doors.

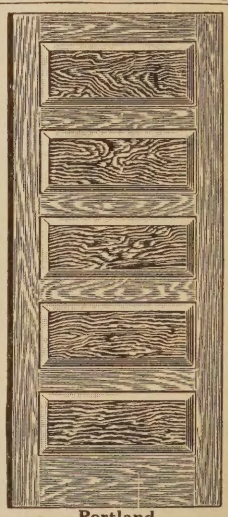


Seattle

Panels in the 1 and 2 panel doors are 3-ply laminated veneered fir panels.

Panels in the 5-cross panel doors are solid fir panels, raised as shown in illustration.

Portland Doors 1¾ inches Thick, add $2.60.



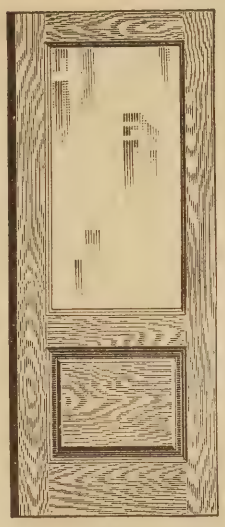
Portland

Sizes Width Height	OLYMPIA 10-C 327 1⅜ Ins. Thick	Shipping Weight
2- 0x6- 0	$4.19	28
2- 0x6- 6	4.41	30
2- 4x6- 6	4.85	30
2- 6x6- 6	5.09	34
2- 0x6- 8	4.48	32
2- 4x6- 8	4.96	34
2- 6x6- 8	5.17	36
2- 8x6- 8	5.41	38
2-10x6-10	5.98	40
2- 0x7- 0	4.85	36
2- 4x7- 0	5.33	38
2- 6x7- 0	5.57	40
2- 8x7- 0	5.81	42
3- 0x7- 0	6.34	46

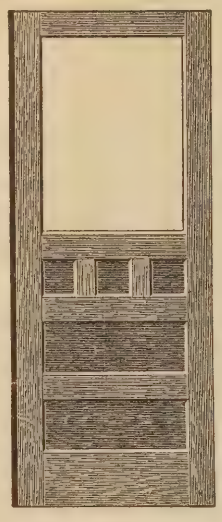
Sizes Width Height	SEATTLE 10-C-326 1⅜ Ins. Thick	Shipping Weight
2- 0x6- 0	$3.62	28
2- 0x6- 6	3.80	30
2- 4x6- 6	4.18	30
2- 6x6- 6	4.38	34
2- 0x6- 8	3.86	32
2- 4x6- 8	4.26	34
2- 6x6- 8	4.45	36
2- 8x6- 8	4.64	38
2-10x6-10	5.15	40
2- 0x7- 0	4.18	36
2- 4x7- 0	4.60	38
2- 6x7- 0	4.80	40
2- 8x7- 0	5.01	42
3- 0x7- 0	5.44	46

Sizes Width Height	PORTLAND 10-C-325 1⅜ Ins. Thick	Shipping Weight
2- 0x6- 0	$3.42	28
2- 0x6- 6	3.58	30
2- 4x6- 6	3.95	30
2- 6x6- 6	4.15	34
2- 0x6- 8	3.65	32
2- 4x6- 8	4.03	34
2- 6x6- 8	4.21	36
2- 8x6- 8	4.38	38
2-10x6-10	4.89	40
2- 0x7- 0	3.96	36
2- 4x7- 0	4.35	38
2- 6x7- 0	4.54	40
2- 8x7- 0	4.74	42
3- 0x7- 0	5.15	46

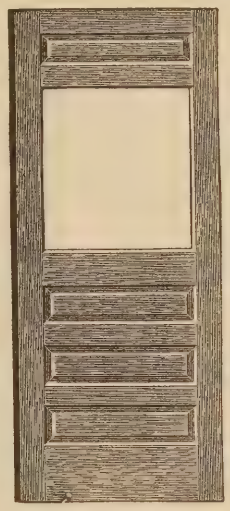
Special Values for Home Builders



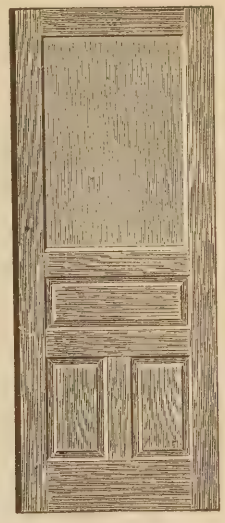
Lilac



Violet



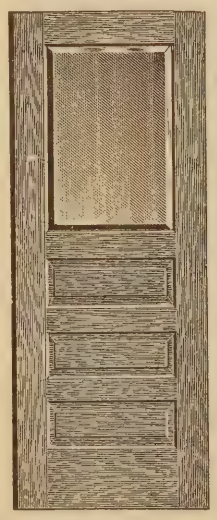
Mignonette



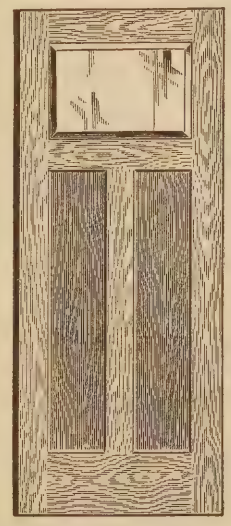
Tulip

CLEAR WHITE PINE DOORS in neat paneled styles with clear double strength plain glass or with combination lace and scenic lights. Will finish splendidly in varnish, paint or enamel. First quality doors throughout, solid panels as shown. **1¾" thick doors with exception of 2-6x6-6 $2.60 extra each.**

SIZES		LILAC		VIOLET		MIGNONETTE		TULIP		Shipping Weight Pounds
W'th. ft. in.	H't. ft. in. Thickness	**10-C-408** Glazed D. S. A. as shown	**10-C-409** Glazed 1 1-2 in. Bevel Plate	**10-C-36** Glazed Clear D. S. A.	**10-C-37** Glazed Florentine Glass	**10-C-32** Glazed Clear D. S. A.	**10-C-33** Glazed Florentine Glass	**10-C-40** Glazed Clear D. S. A.	**10-C-388** Glazed Florentine Glass. Obscure	
2- 6	x6- 6 1⅜ inches	$5.72	$15.68	$5.66	$7.67	$5.44	$7.45	$5.21	$5.68	70
2- 8	x6- 8 1⅜ inches	6.08	17.75	5.98	7.99	5.73	7.72	5.43	5.97	75
2-10	x6-10 1⅜ inches	6.65	19.87	6.56	8.57	6.29	8.29	6.01	6.58	80
2- 8	x7- 0 1⅜ inches	6.58	19.45	6.40	8.41	6.18	8.18	5.92	6.45	80
3- 0	x7- 0 1⅜ inches	7.04	22.04	6.88	8.88	6.58	8.58	6.29	7.01	90



Golden Glow



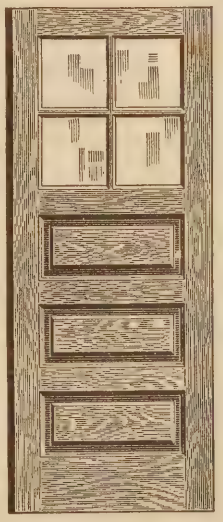
Peony

White Pine Front Doors

In this quartet of first quality clear soft pine doors we present unmatchable values. Neat glazed effects, practical and substantial. Take any finish—varnish, paint or enamel.

All doors are, of course, first quality of clear kiln-dried lumber thruout—solid panels as shown.

1¾" thick doors with exception of 2-6x6-6 $2.60 extra each.

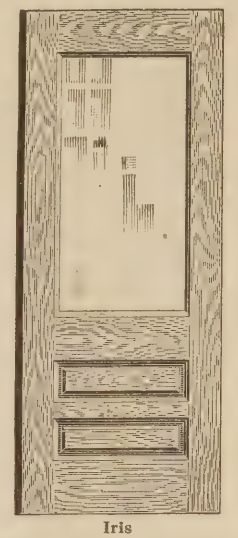


Aster

Holly

SIZES		GOLDEN GLOW		PEONY		ASTER		HOLLY		Shipping Weight Pounds
W'th. ft. in.	Ht. ft. in. Thickness	**10-C-333** Glazed Clear D. S. A.	**10-C-334** Glazed Florentine Glass	**10-C-445** Glazed Clear D. S. A.	**10-C-446** Glazed Bevel Plate	**10-C-328** Glazed D. S. A. as shown	**10-C-329** Glazed Clear Florentine	**10-C-411** Glazed Plain D. S. A.	**10-C-412** Glazed Lead Bevel Plate as shown	
2- 6	x6- 6 1⅜ inches	$5.31	$5.78	$5.78	$9.17	$6.20	$6.65	$7.74	$12.58	70
2- 8	x6- 8 1⅜ inches	5.62	6.08	6.05	10.74	6.42	6.87	8.03	13.44	75
2-10	x6-10 1⅜ inches	6.23	6.75	6.65	11.70	7.01	7.48	8.61	15.03	85
2- 8	x7- 0 1⅜ inches	6.05	6.58	6.56	11.25	6.90	7.38	8.53	13.94	80
3- 0	x7- 0 1⅜ inches	7.53	7.09	6.98	12.67	7.26	7.81	8.96	15.33	90

White Pine Front and Inside Doors



Iris

Here are some attractive new designs of beautiful front doors made of clear soft white pine. Any one of them will add a touch of good taste to the entrance of any home.

These doors can be furnished 1¾" thick, with exception of 2-6x6-6, at $2.60 additional.

Phlox

A-1 Quality Throughout

Solidly built of carefully selected thoroughly seasoned lumber and securely put together to endure. Take paint or any finish perfectly.

Pansy

1⅜ Inch Thick SIZES Width Height ft. in. ft. in.	IRIS No. 10-C-627 Glazed Clear D. S. A.	IRIS No. 10-C-628 Glazed Beveled Plate	PHLOX No. 10-C-638 Glazed Clear D. S. A.	PHLOX No. 10-C-639 Glazed Beveled Plate	PANSY No. 10-C-523 Glazed Clear D. S. A.	PANSY No. 10-C-524 Glazed Beveled Plate	Shipping Weight Pounds
2- 6x6- 6	$5.22	$15.84	$7.54	$18.69	$7.90	$16.18	30
2- 8x6- 8	5.54	17.59	7.72	23.73	8.29	16.38	32
2-10x6-10	6.02	20.50	8.57	27.46	8.82	19.35	34
2- 8x7- 0	5.95	19.19	8.16	25.46	8.77	18.08	36
3- 0x7- 0	6.39	22.52	8.86	28.37	9.24	21.18	38

White Pine Inside or Outside Doors

No. 10-C56

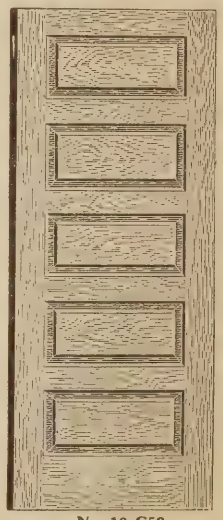
Clear White Pine Panel Doors

These are the old standbys — white pine all the way through—no yellow pine panels to shrink and crack—best quality only. Why buy a cheaper grade when the difference in price is only a few cents?

No. 10-C57

A-1 Quality Only

Made with extra strong joints, mortised and tenoned. Doors designated as "A" quality mean that they are made of best, clear selected stock suitable for any style of finish. Three standard panel designs of highest quality.

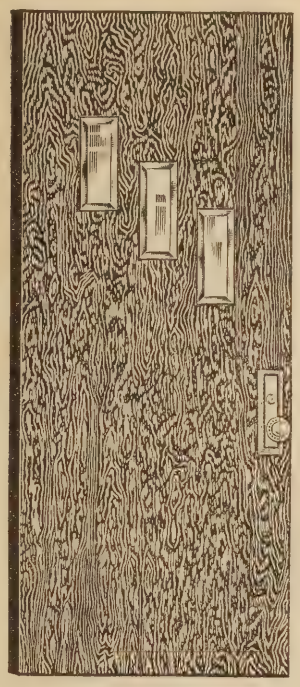


No. 10-C59

SIZES Ft.In. Ft.In.	Thickness in.	"A" Quality	Ship. Wt., Lbs.	SIZES Ft.In. Ft.In.	Thickness in.	"A" Quality	Ship. Wt., Lbs.	SIZES Ft.In. Ft.In.	Thickness in.	"A" Quality	Ship. Wt., Lbs.
2- 0 x 6- 0	1⅜	$3.98	28	2- 0 x 6- 0	1⅜	$3.99	28	2- 0 x 6- 0	1⅜	$3.62	28
2- 0 x 6- 6	1⅜	4.18	30	2- 0 x 6- 6	1⅜	4.19	30	2- 0 x 6- 6	1⅜	3.80	30
2- 4 x 6- 6	1⅜	4.60	32	2- 4 x 6- 6	1⅜	4.61	32	2- 4 x 6- 6	1⅜	4.18	34
2- 6 x 6- 6	1⅜	4.72	34	2- 6 x 6- 6	1⅜	4.73	34	2- 6 x 6- 6	1⅜	4.38	32
2- 0 x 6- 8	1⅜	4.25	34	2- 0 x 6- 8	1⅜	4.26	32	2- 0 x 6- 8	1⅜	3.86	34
2- 4 x 6- 8	1⅜	4.69	34	2- 4 x 6- 8	1⅜	4.70	34	2- 4 x 6- 8	1⅜	4.26	36
2- 6 x 6- 8	1⅜	4.89	36	2- 6 x 6- 8	1⅜	4.90	36	2- 6 x 6- 8	1⅜	4.45	38
2- 8 x 6- 8	1⅜	5.13	38	2- 8 x 6- 8	1⅜	5.14	38	2- 8 x 6- 8	1⅜	4.66	40
2-10 x 6-10	1⅜	5.67	40	2-10 x 6-10	1⅜	5.68	40	2-10 x 6-10	1⅜	5.15	36
2- 0 x 7- 0	1⅜	4.60	36	2- 0 x 7- 0	1⅜	4.61	36	2- 0 x 7- 0	1⅜	4.18	36
2- 4 x 7- 0	1⅜	5.06	38	2- 4 x 7- 0	1⅜	5.07	38	2- 4 x 7- 0	1⅜	4.60	38
2- 6 x 7- 0	1⅜	5.28	40	2- 6 x 7- 0	1⅜	5.29	40	2- 6 x 7- 0	1⅜	4.80	40
2- 8 x 7- 0	1⅜	5.51	42	2- 8 x 7- 0	1⅜	5.52	42	2- 8 x 6- 8	1¾	5.01	44
3- 0 x 7- 0	1⅜	5.98	46	3- 0 x 7- 0	1⅜	5.99	46	3- 0 x 7- 0	1⅜	5.44	50
								2- 8 x 6- 8	1¾	6.72	54
								2-10 x 6- 8	1¾	7.04	54
								3- 0 x 7- 0	1¾	7.70	58

Modern Fir Doors

Front Door—Clear Fir—Waterproof

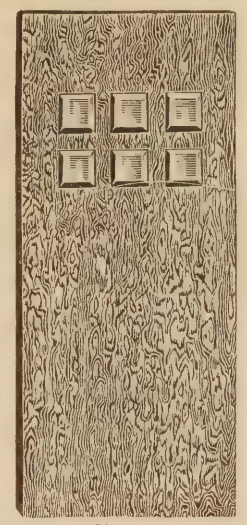


Tacoma

Beautiful veneered doors made for the finest bungalow or residence. Simple in design with perfectly matched slash grain veneer and softwood core.

Hardware shown not included in price.

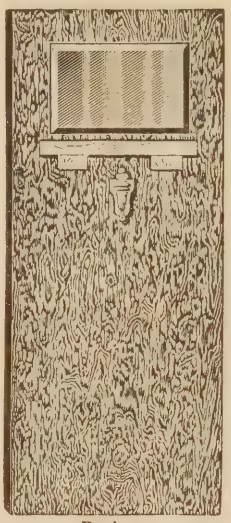
In these "Flush" or "Sanitary" doors we offer you high grade, 5-ply cross-banded doors, made entirely of clear Fir, of superior construction thruout. Two plys outside veneer and one center ply, upon which the outside plys are built, best quality waterproof glue under tremendous hydraulic pressure, makes these doors the "Gem" of the door makers art.



Vernon

They are the last word in up-to-date doors.

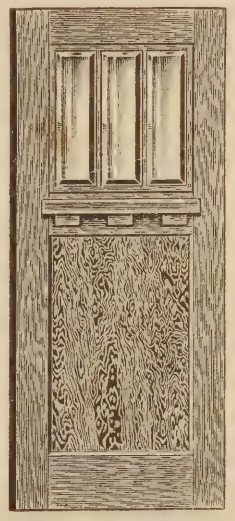
The veneers are selected for beauty of grain, great care being taken to match perfectly to produce a beautiful door in every sense of the word. Fir is suitable for white paint finish, either for inside or outside use. We can furnish inside doors to match. Write for prices.



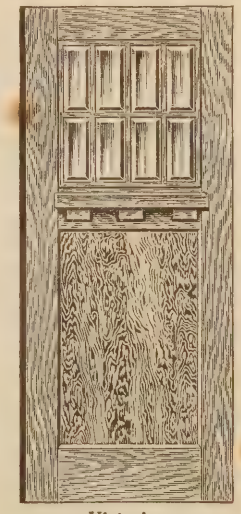
Roslyn

SIZES		TACOMA		VERNON		ROSLYN		Ship.
W. Ht. ft. ft. in. in.	Thickness Inches	**10-C-1432** Glazed Clear D. S. A.	**10-C-1433** Glazed Beveled Plate	**10-C-1430** Glazed Clear D. S. A.	**10-C-1431** Glazed Beveled Plate	**10-C-1434** Glazed Clear D. S. A.	**10-C-1435** Glazed Beveled Plate	Wt. Lbs.
2-8x6-8	1¾	$24.37	$29.28	$25.60	$29.60	$21.92	$26.74	130
3-0x7-0	1¾	27.25	32.16	28.48	32.48	24.80	29.62	150

Winona



Columbia



Victoria

Here are three beautiful designs especially adapted for the bungalow home. Well made, strong and substantial high grade doors. Clear kiln-dried Fir lumber, solid edge grain stiles and rails. 3-ply laminated panels showing the beautifully figured grain; when properly finished, no one but an expert could distinguish them from the most expensive hardwood doors. Best door values obtainable. Best quality Water-proof Glue used.

SIZES		WINONA		COLUMBIA		VICTORIA		Shipping Weight Pounds
Width Height ft. in. ft. in.	Thickness	**10-C-416** Glazed Clear D. S. A.	**10-C-417** Glazed Beveled Plate	**10-C-393** Glazed Clear D. S. A.	**10-C-394** Glazed Beveled Plate	**10-C-397** Glazed Clear D. S. A.	**10-C-398** Glazed Beveled Plate	
2- 8x6- 8	1⅜ inches	$6.58	$12.51	$ 9.14	$13.88	$11.38	$17.31	80
3- 0x7- 0	1⅜ inches	7.54	14.46	10.10	15.89	12.34	20.88	90
2- 8x6- 8	1¾ inches	8.02	13.95	10.58	15.35	12.82	18.75	95
3- 0x7- 0	1¾ inches	9.18	16.11	11.74	17.54	13.98	22.53	105

Oak and Birch Doors

Kenwood

The stiles, rails, and panels in all these doors are laminated, that is, built up from two outside plies of veneer selected for beauty of grain, and a center core, the grain of the core running in opposite directions. Thus one layer strengthens the other layer next to it and the result is the permanent, extra strong panel.

Water-proof Glue Is Used on All Our Doors.

Pilgrim

Only the highest grade of workmanship goes into our Oak and Birch doors. They are as beautifully flaked and figured as the front doors, therefore, will permit the finishing in the natural wood. Birch is especially suitable for staining to imitate mahogany. Suitable for finest residences.

Hardware shown not included in prices.

Elite

The Birch Doors being made from a naturally close grained wood will take the finest eggshell and white enamel finish. Guaranteed interlocking core construction. In Veneered Red Oak and Northern Birch.

Be Sure to State Thickness	KENWOOD		PILGRIM		ELITE		Shipping Weight Pounds
SIZES Width Ft. In. Height Ft. In.	Red Oak No. 10-C-335 1¾ inch thick	Northern Birch No. 10-C-336 1¾ inch thick	Red Oak No. 10-C-11 1⅜ inch thick	Birch No. 10-C-12 1⅜ inch thick	Red Oak No. 10-C-9 1⅜ inch thick.	Northern Birch No. 10-C-10 1⅜ inch thick	
2- 0 x 6- 0	$12.47	$10.10	$12.17	$ 9.80	$10.07	$7.78	55
2- 0 x 6- 6	12.69	10.26	12.39	9.96	10.29	7.94	60
2- 4 x 6- 6	13.21	10.66	12.91	10.36	10.81	8.34	62
2- 6 x 6- 6	13.57	10.94	13.27	10.64	11.17	8.63	77
2- 0 x 6- 8	12.77	10.33	12.47	10.03	10.37	8.00	79
2- 2 x 6- 8	12.99	10.50	12.69	10.20	10.59	8.18	80
2- 4 x 6- 8	13.28	10.72	12.98	10.42	10.88	8.41	82
2- 6 x 6- 8	13.65	11.01	13.35	10.71	11.25	8.69	84
2- 8 x 6- 8	14.08	11.36	13.78	11.06	11.68	9.05	86
2-10 x 6-10	15.00	12.16	14.70	11.86	12.70	9.85	90
2- 0 x 7- 0	13.65	11.01	13.35	10.71	11.25	8.69	85
2- 2 x 7- 0	13.88	11.19	13.58	10.89	11.48	8.86	88
2- 4 x 7- 0	14.17	11.42	13.87	11.12	11.77	9.11	90
2- 6 x 7- 0	14.53	11.71	14.23	11.41	12.13	9.40	95
2- 8 x 7- 0	14.97	12.05	14.67	11.75	12.56	9.73	100
2-10 x 7- 0	15.48	12.45	15.18	12.15	13.08	10.13	105
3- 0 x 7- 0	16.07	12.92	15.77	12.62	13.66	10.59	110

Virginia

Fine Colonial and French Front

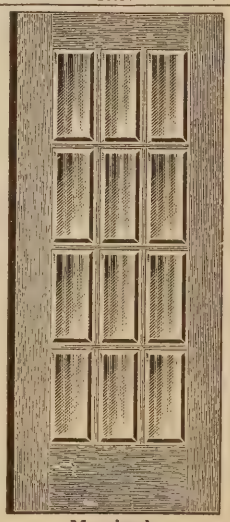
Clear, kiln dried white pine lumber, perfectly manufactured. The division bars are extra heavy and are mortised into the stiles and rails, making them exceptionally strong. The stiles and top rails are 5½ inches wide, while the bottom rail is 11½ inches wide. The glass is held in place with wood stops, not with putty.

Carolina

Doors of Clear Soft White Pine

Colonial and French Doors representing the very latest in French, Balcony and Vestibule Doors. You'll also find them very desirable for sun parlors and sleeping porches, and where plenty of light is wanted. Never in the history of house building have our sales on this item been as great as at present—there's a reason—real quality.

French Doors in Pairs Shown on Page 16



Maryland

Sizes	Thickness	VIRGINIA 10-C-1150 Glazed D.S.A.	VIRGINIA 10-C-1151 Gl. Beveled Plate	CAROLINA 10-C-1152 Glazed D.S.A.	CAROLINA 10-C-1153 Gl. Beveled Plate	MARYLAND 10-C-1154 Glazed D.S.A.	MARYLAND 10-C-1155 Gl. Beveled Plate	Shipping Weight Pounds
2-8 x 6-8	1⅜ inches	$ 7.89	$22.61	$ 8.32	$22.17	$ 8.42	$20.45	90
2-8 x 7-0		8.21	22.93	8.64	23.54	8.86	22.08	
3-0 x 7-0		8.74	25.41	8.73	28.42	8.96	26.98	100
2-8 x 6-8	1¾ inches	10.81	25.53	11.13	24.96	11.48	23.51	100
2-8 x 7-0		11.38	26.10	11.70	26.59	12.12	25.33	
3-0 x 7-0		11.93	28.60	11.80	31.49	12.31	30.33	115

Standard Designs in Fir

Montesano

These paneled front doors are popular designs suitable for the finest residence. They will harmonize well with practically any type of architecture. Although moderately priced, they have the beautiful appearance of high priced doors.

Salem

These small reproductions of the Montesano, Salem and Aberdeen front doors prevent us from presenting them to you as they will actually appear properly stained and finished in your building. The veneers are selected for beauty of grain. Furnished unfinished (in the white) in order that you may finish them to suit yourself.

Aberdeen

Hardware shown not included in prices

Elegant Craftsman and Mission style front doors designed for bungalows and residences of latest architecture. They are made of old growth soft yellow Fir, with solid quarter-sawed stiles and rails and have beautifully figured, 3-ply laminated slash grain panels. Will take any stain or finish. At the extremely low prices we are offering them you get Hardwood Door values at moderate prices. Water-Proof Glue is used on all our doors.

SIZES:			MONTESANO		SALEM		ABERDEEN		Shipping Weight, Pounds
W'th ft. in.	H'th. ft. in.	Thickness	**10-C-640** Glazed Clear Glass D.S.	**10-C-641** Glazed Beveled Plate Glass	**10-C-642** Glazed Clear Glass D.S.	**10-C-643** Glazed Beveled Plate Glass	**10-C-644** Glazed Clear Glass D.S.	**10-C-645** Glazed Beveled Plate Glass	
2- 8	x6- 8	1 3/8 inches	$5.70	$10.42	$8.66	$13.08	$8.26	$11.52	75
2- 8	x7- 0	1 3/8 inches	6.08	10.81	9.05	13.46	8.64	11.90	85
3- 0	x7- 0	1 3/8 inches	6.65	12.41	9.62	14.72	9.22	13.94	90
2- 8	x6- 8	1 3/4 inches	7.15	11.86	10.10	14.52	9.70	12.96	85
2- 8	x7- 0	1 3/4 inches	7.64	12.35	10.59	15.01	10.20	13.46	85
3- 0	x7- 0	1 3/4 inches	8.31	14.05	11.26	16.37	10.87	15.58	100

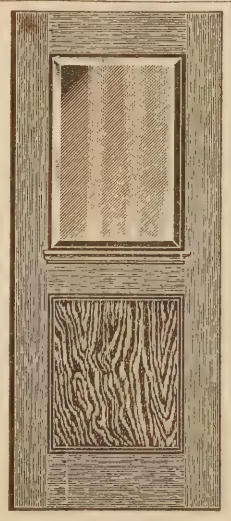
Washington

Carefully selected clear Fir front doors made with edge grain stiles and rails and 3-ply laminated slash grain panels to show the beautiful grain.

California

Finest construction thruout, smoothly sanded, guaranteed not to warp or twist providing ordinary care is used when received. Ready for paint or stain.

Water-Proof Glue Is Used On All Our Doors.

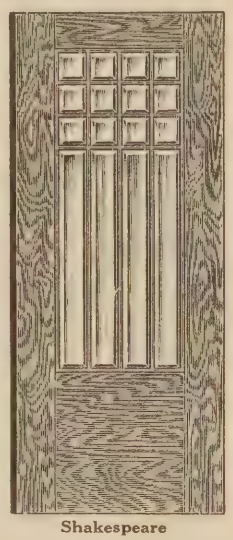


Oregon

SIZES:			WASHINGTON		CALIFORNIA		OREGON		Shipping Weight Pounds
W'th. ft. in.	H'th. ft. in.	Thickness	**10-C-378** Glazed Clear Glass D. S. A.	**10-C-379** Glazed Bevel Plate Glass	**10-C-696** Glazed Clear Glass D. S. A.	**10-C-697** Glazed Florentine	**10-C-381** Glazed Clear Glass D. S. A.	**10-C-382** Glazed Bevel Plate Glass	
2- 6	x6- 6	1 3/8 inches	$6.61	$20.95	$5.02	$5.50	$5.70	$16.42	95
2- 8	x6- 8	1 3/8 inches	7.16	24.38	5.34	5.89	5.95	18.66	105
2-10	x6-10	1 3/8 inches	8.08	27.80	6.04	6.61	6.59	21.09	115
2- 8	x7- 0	1 3/8 inches	7.54	26.11	5.88	6.40	6.30	20.76	115
3- 0	x7- 0	1 3/8 inches	8.57	30.29	6.43	7.16	7.09	24.00	120

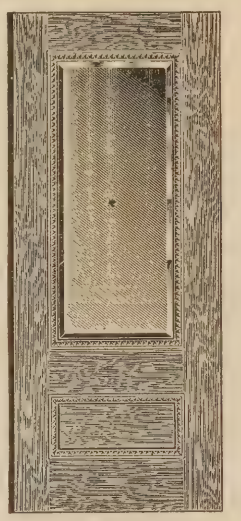
We can furnish Washington, Pacific or Oregon doors 1 3/4 inches thick at $2.60 extra, excepting size 2-6x6-6.

Oak, Birch and Pine Doors



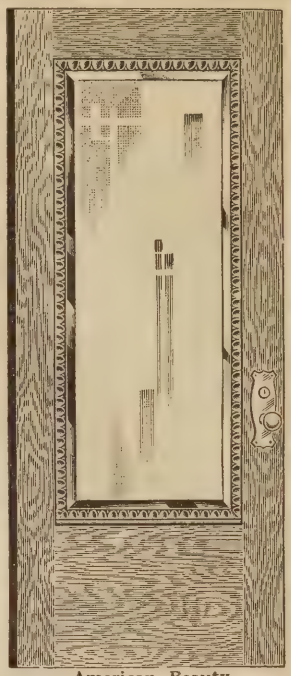
Shakespeare

These artistically designed front doors reflect good taste. The attractive grain of the wood and impressive glazed effects make any one of these three doors desirable selections that will add a splendid touch to any entrance.



Mozart

These high-grade first quality veneered hard-wood doors bring out the beautiful grain of the wood. Carefully made by skilled craftsmen to embody all that is best in appearance and ability to stand the test of time.



American Beauty
Hardware shown not included in prices.

The illustrations of Hardwood Front Doors shown on this page are as near like the original product as pictures can make them. The improved rotary cut veneer process makes the ordinary Birch resemble very closely the higher priced curly birch. In Oak Doors, most people prefer this method of veneering to the finest quarter-sawed oak. But this is not the only modern improvement which distinguishes our veneered doors from the common variety. They are different—built better. "Water Proof Glue is used on all our doors.

1¾ Inch Thick	SHAKESPEARE				MOZART				AMERICAN BEAUTY				Shipping Weight Pounds
	Red Oak		Northern Birch		Red Oak		Northern Birch		Red Oak		Northern Birch		
SIZES Width Height	No. 10-C-217 Glazed Clear D.S.A.	No. 10-C-218 Glazed Beveled Plate	No. 10-C-219 Glazed Clear D.S.A.	No. 10-C-220 Glazed Beveled Plate	No. 10-C-264 Glazed Clear D.S.A.	No. 10-C-266 Glazed Beveled Plate	No. 10-C-740 Glazed Clear D.S.A.	No. 10-C-741 Glazed Beveled Plate	No. 10-C-1 Glazed Clear D.S.A.	No. 10-C-3 Glazed Beveled Plate	No. 10-C-251 Glazed Clear D.S.A.	No. 10-C-253 Glazed Beveled Plate	
2 ft. 8 in. x 6 ft. 8 in.	$19.41	$34.05	$16.25	$30.88	$15.94	$25.02	$13.38	$22.46	$15.84	$28.49	$13.28	$25.72	130
2 ft. 10 in. x 6 ft. 10 in.	20.53	34.81	17.21	31.48	17.11	28.06	14.33	25.28	17.24	32.03	14.45	29.25	140
2 ft. 8 in. x 7 ft. 0 in.	20.06	34.71	16.76	31.39	16.96	27.36	14.21	24.61	16.73	30.52	13.97	27.77	145
2 ft. 10 in. x 7 ft. 0 in.	20.98	35.09	17.59	31.70	17.59	29.31	14.72	26.33	18.08	33.82	14.90	30.64	150
3 ft. 0 in. x 7 ft. 0 in.	21.41	35.52	17.94	32.05	18.30	31.17	15.32	28.18	18.36	36.15	15.36	33.15	155

Whittier

White Pine

Choice designs, made of specially selected clear kiln-dried white pine lumber. When glazed double strength glass or beveled plate, add beauty to any residence. Smoothly sanded and will finish splendidly in paint or enamel. Guaranteed A-1 quality doors throughout.

Honeysuckle

Front Doors

The Colonial front door combines strong, solid construction paneled to create a dignified impressive design. Especially suited for Colonial design homes. This door is very frequently used in connection with Colonial side lights offered elsewhere in this catalog.

Colonial

Clear soft white pine front doors. Cannot be equalled for long service under most severe weather conditions, strictly first-class, a door of the highest rank at lowest prices.

1⅜ Inches Thick	WHITTIER—1¾" thick		HONEYSUCKLE—1⅜" thick		COLONIAL—1¾"	Shipping Weight Pounds
SIZES Width Height	10-C-817 Glazed Clear D.S.A.	10-C-818 Glazed Beveled Plate	10-C-15 Glazed Clear D.S.A.	10-C-16 Glazed Beveled Plate	10-C-324	
2 ft. 6 in. x 6 ft. 6 in.	.....	.....	$6.56	$20.66	.....	70
2 ft. 8 in. x 6 ft. 8 in.	$11.10	$25.75	6.74	23.97	$7.86	75
2 ft. 10 in. x 6 ft. 10 in.	.....	.....	7.52	27.23	.....	85
2 ft. 8 in. x 7 ft. 0 in.	11.46	26.10	7.09	25.57	.....	80
3 ft. 0 in. x 7 ft. 0 in.	12.19	26.30	7.83	29.56	8.96	90

"Honeysuckle" Door can be furnished 1¾ in. thick at $2.60 additional.

Oak Front Doors

Bryant
Hardware shown not included in prices.

Up-to-the-minute "Flush" or "Sanitary" doors are very distinctive, and show a beautiful grain. The attractive glazed lights are particularly attractive in beveled plate.

Tennyson

In your new home select Tennyson, for the front, Bryant for the vestibule, and Emerson for the interior, and your door installation will be perfection indeed.

Water-proof Glue Is Used On All Our Doors.

Emerson

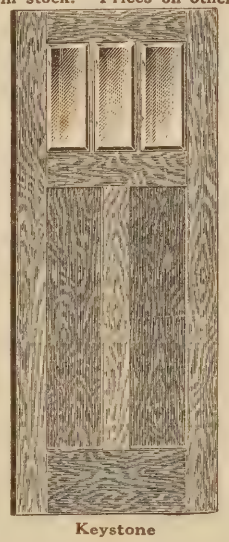
These doors are really beautiful pieces of furniture when properly finished. They are veneered Red Oak. The veneering process of our flush doors is different; much stronger than a solid paneled door. The regular veneered doors are made 3-ply, whereas the Flush doors are made 5-ply, containing a double layer of veneer on both sides of the core, the inner layer running crosswise the core itself being protected in double fashion.

SIZE		BRYANT		TENNYSON		EMERSON	Shipping Weight Pounds
Width Height ft. in. ft. in.	Thickness	**10-C-207** Glazed Clear D. S. A.	**10-C-213** Glazed Beveled Plate	**10-C-226** Glazed Clear D. S. A.	**10-C-227** Glazed Beveled Plate	**10-C-234**	
2– 8x6– 8	1¾ inches	$24.32	$28.32	$24.37	$29.28	$17.28	130
3– 0x7– 0	1¾ inches	27.20	31.20	27.25	32.16	20.16	150

Only sizes listed carried in stock. Prices on other sizes on application.

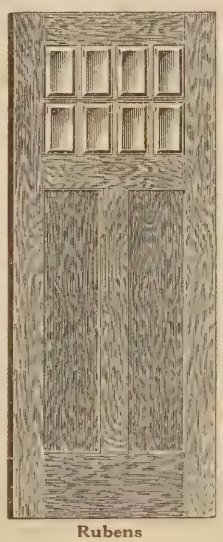
Greenwood

The Greenwood, Keystone and Rubens Doors, make very neat and substantial front doors and are especially designed for the present style bungalow and residence architecture.



Keystone

These doors are made from carefully selected stock, especially selected for its beauty of grain and color. Substantial improved construction is featured in all designs.



Rubens

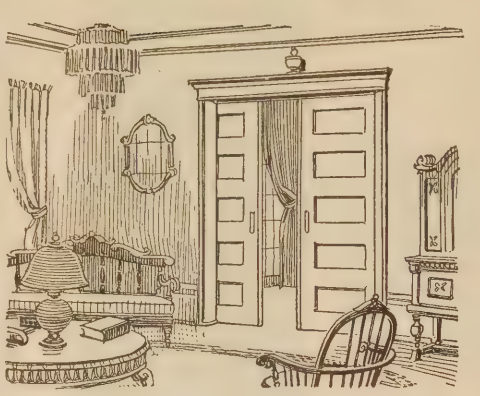
These doors are the Latest Craftsman designs. Veneered in clear red oak, with white pine cores, interlocked and glued, making a door foundation that is the best known today. Over this core or foundation is applied perfected clear Red Oak veneer, a product of oak logs of the very best quality. The veneered door properly made is a great deal more desirable than the solid door. Water-proof Glue is used on all our doors.

SIZE		GREENWOOD		KEYSTONE		RUBENS		Shipping Weight Pounds
Width, Height ft. in. ft. in.	Thickness	**10-C-442** Glazed Clear D. S. A.	**10-C-443** Glazed Beveled Plate	**10-C-447** Glazed Clear D. S. A.	**10-C-448** Glazed Beveled Plate	**10-C-240** Glazed Clear D. S. A.	**10-C-241** Glazed Beveled Plate	
2– 8x6– 8	1¾ inches	$14.94	$19.67	$16.06	$20.00	$16.70	$21.44	110
2– 8x7– 0	1¾ inches	15.83	20.54	16.95	20.88	17.59	22.33	115
3– 0x7– 0	1¾ inches	17.01	22.75	18.13	22.51	18.77	25.22	125

Only sizes listed carried in stock. Prices on other sizes on application.

FRENCH DOORS IN PAIRS

For Both NEW and OLD HOUSES

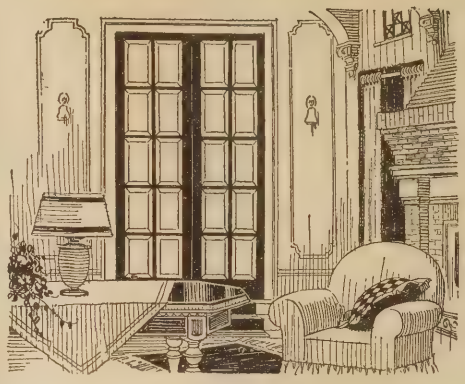


The Old Fashioned Room

Make your home up-to-date, add greatly to its beauty as well as its selling value by installing one or more pair of French doors, both for interior and exterior—it is all the rage. You will be agreeably surprised at the enhanced beauty of your home by adding these practical light-giving, beautiful French doors.

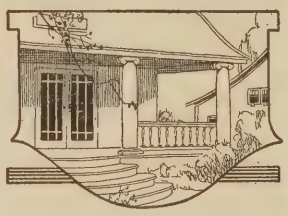
Where you have old sliding doors or cased openings, in many instances our stock doors will fit, or can be made to fit with slight trimming.

All our French doors are guaranteed first quality doors throughout, clear kiln dried lumber, glass set with wood stops (not puttied), strong, handsomely moulded bevel edged division bars. Wide stiles and rails, made for standard locks. Nothing skimpy or cheap about the doors excepting the price.



The Modern Room

10-C-310



In the more up-to-date residences bungalows, and modern homes, French Doors and Windows are becoming increasingly popular.

Furnished in "A" quality White Pine, or Veneered Clear Red Oak or Northern Birch; glazed Clear "A" double strength glass, and beautiful beveled plate glass.

These doors are extra strong and exceptionally well made and carried in stock in Pine and Fir, both 1⅜ and 1¾ thick. Oak and Birch are carried in stock in 1¾ inches only.

We furnish a flat Astragal with each pair of doors, which can be nailed on at center where the doors join.

Single French Doors shown on preceding pages.

10-C-311

Prices Per Pair

STYLE	10-C-310						10-C-311						Shipping Weight, Pounds
GLAZING	Double Strength Glass						Double Strength Glass						
WOOD	Fir		White Pine		Oak	Birch	Fir		White Pine		Oak	Birch	
THICKNESS, Inches	1⅜	1¾	1⅜	1¾	1¾	1¾	1⅜	1¾	1⅜	1¾	1¾	1¾	
SIZE													
4– 0x6– 8	$11.86	$16.06	$13.18	$17.84	$25.32	$21.18	$13.63	$17.73	$15.14	$19.70	$27.12	$23.08	130
4– 0x7– 0	12.44	16.92	13.82	18.80	26.62	22.26	14.17	18.54	15.74	20.60	28.42	24.10	135
5– 0x6– 8	13.07	17.39	14.52	19.32	27.72	23.34	13.82	18.05	15.36	20.06	28.44	24.12	140
5– 0x7– 0	13.66	18.38	15.18	20.42	29.06	24.38	14.46	19.05	16.04	21.16	29.76	25.22	145
5– 4x6– 8	13.18	17.51	14.64	19.46	28.42	23.86	13.93	18.18	15.48	20.20	29.12	24.64	150
5– 4x7– 0	13.72	18.49	15.24	20.54	29.74	24.88	14.49	19.17	16.10	21.30	30.44	25.66	155
GLAZING	Beveled Plate Glass						Beveled Plate Glass						Shipping Weight, Pounds
WOOD	Fir		White Pine		Oak	Birch	Fir		White Pine		Oak	Birch	
THICKNESS, Inches	1⅜	1¾	1⅜	1¾	1¾	1¾	1⅜	1¾	1⅜	1¾	1¾	1¾	
SIZE													
4– 0x6– 8	$34.09	$38.26	$35.40	$40.04	$47.54	$43.40	$39.39	$43.47	$40.90	$45.44	$52.86	$48.84	130
4– 0x7– 0	34.66	39.12	36.04	41.00	48.84	44.46	40.99	45.36	42.56	47.42	55.24	50.92	135
5– 0x6– 8	42.51	46.73	43.96	48.76	59.16	52.78	41.76	45.93	43.24	47.94	56.30	51.96	140
5– 0x7– 0	43.09	47.82	44.60	49.86	58.50	53.82	45.56	50.16	47.16	52.28	60.92	56.32	145
5– 4x6– 8	42.62	46.94	44.08	48.90	57.86	53.20	46.23	50.46	47.78	52.48	61.44	56.94	150
5– 4x7– 0	43.16	47.93	44.68	49.98	59.18	54.32	54.37	59.05	55.98	61.18	65.14	60.36	155

Bevel and Plain Plate Mirror Doors

Full length Mirror Doors combine the useful purpose of both door and wall mirror at a lower price and reduces danger of breakage.

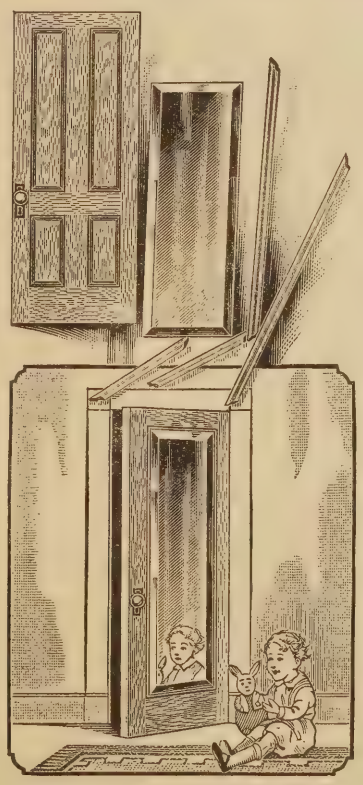
Plenty of choice as to sizes, three kinds of wood, two thicknesses and both Plain and Beveled Plate mirror. Naturally you will want your mirror door in your dressing room and as a closet door it will serve the double purpose admirably.

Our mirrors are of the regular standard American Beauty grade—noted for their high luster and lasting qualities. The mirror side of the door is finished as shown in the picture. The other side is regularly finished, two panel, like our "Elite and Seattle" door. Can also be furnished with one or five cross panels. Our mirror doors are packed so well that they cannot be marred in transit.

1⅜ inches thick SIZES		PRICES OF "FULLVIEW" MIRROR DOORS						
		Red Oak		Northern Birch		Fir		
W'th. ft. in. H't. ft. in.	Size of Plate Mirror	10-C-289 Plain Plate Mirror	10-C-290 Bevel Plate Mirror	10-C-291 Plain Plate Mirror	10-C-292 Bevel Plate Mirror	10-C-293 Plain Plate Mirror	10-C-294 Bevel Plate Mirror	Shipping Wgt., Lbs.
2- 0x6- 6	16x66	$29.04	$32.84	$26.54	$30.34	$22.13	$25.92	75
2- 2x6- 6	18x66	30.71	34.51	28.21	32.01	23.80	27.61	80
2- 4x6- 6	20x66	31.71	35.52	29.21	33.02	24.82	28.65	80
2- 6x6- 6	22x66	38.56	42.37	36.06	39.87	31.65	35.47	85
2- 0x6- 8	16x68	29.65	33.42	27.15	30.92	22.76	26.54	90
2- 2x6- 8	18x68	32.08	35.85	29.58	33.35	25.18	28.96	95
2- 4x6- 8	20x68	34.56	38.29	32.06	35.79	27.69	31.76	100
2- 6x6- 8	22x68	39.92	43.70	37.42	41.20	33.02	36.84	110
2- 0x7- 0	16x72	31.57	35.26	29.07	32.76	24.82	28.34	115
2- 2x7- 0	18x72	34.04	37.81	31.54	35.31	27.14	31.02	120
2- 4x7- 0	20x72	36.76	40.52	34.26	38.02	29.87	33.94	125
2- 6x7- 0	22x72	41.86	45.65	39.36	43.15	34.96	38.86	130
2- 8x7- 0	24x72	44.85	48.66	42.35	46.16	38.12	41.74	135

Write for prices on other woods.

Make Your Own Mirror Door!



COMPLETE OUTFIT for a home-made mirror door consists of heavy plate mirror; thin strips to form a bed between the face of the door and the glass; mouldings of special design to frame the mirror and hold it firmly in place; and a sufficient number of round-headed brass screws.

Prices, Mirror Door Outfit, No. **10-C-500.**

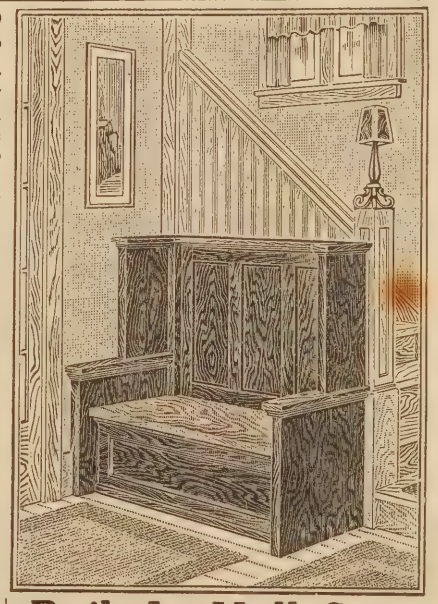
Size of Mirror	Plain Plate	Beveled 1½ inch	Fits Panel Door	Ship. Wt. lbs.
16x60	$16.98	$19.02	2- 0x6- 0	50
16x66	18.75	22.13	2- 0x6- 6	52
20x66	23.06	26.42	2- 4x6- 6	55
22x66	27.39	31.87	2- 6x6- 6	60
16x68	19.28	22.74	2- 0x6- 8	60
20x68	23.68	27.14	2- 4x6- 8	62
22x68	28.17	32.76	2- 6x6- 8	64
24x68	30.58	35.17	2- 8x6- 8	68
16x72	20.32	23.96	2- 0x7- 0	72
20x72	24.99	28.64	2- 4x7- 0	74
22x72	29.73	34.58	2- 6x7- 0	76
24x72	32.29	37.15	2- 8x7- 0	78

Order by No. 10-C-500

How To Order: Take the measurement of your door just outside of the panel part, allowing at least one-half inch all around for the mirror to rest upon. Then select your size from the accompanying table. In ordering, be sure to specify whether plain or beveled plate mirror is desired and state your preference in mouldings—Yellow Pine, Oak or Birch (if no preference is given, Yellow Pine will be furnished).

The Mirror Mouldings, Strips and Screws will come in one box, carefully wrapped and packed to insure against damage in shipment.

Instructions: Any door of the ordinary kind can be made into a mirror door and you can do the work yourself. First: Take the door off the hinges and lay it flat on the floor or on trestles. Second: Place the thin strips evenly on the face of the door and lay the mirror on top. Third: Screw the mouldings into place. (The mouldings are already fitted and mitred.) Presto! A real mirror door, just as good for all practical purposes as if you had bought a new one. (Note:—The outer edges of the moulding and strips used for backing should be exactly even to obtain the best results.)



Built-In Hall Seat

10-C-428. A modern hall seat designed to be permanently built in. This splendid addition creates a finished appearance to blank wall space in any hallway and presents a convenience that cannot be overlooked in the well furnished home.

Made in any size desired. A rough pencil sketch of the wall space allowed for this piece is all we require to send complete details and prices.

Carried in stock for quick shipment. 4 ft. long, height overall from floor to top 3 ft. 6 ins., height from floor to seat 1 ft. 6 ins. Seat 1 ft. 6 ins. deep. Substantially constructed and neatly panelled.

Price, yellow pine.....**$22.10**
Price, red oak **$24.60**

Shipped set up in the white (not finished).

Impressive Front Entrances

"COLONIAL" FRONT ENTRANCE

This entrance has been a favorite with many high class American homes. You do not have to adhere to the style of door, sidelights or transom shown. You can select any other design shown in this book to fit the openings.

SPECIFICATIONS: The frame is hand made of Clear Oregon Fir, a wood which is best suited for exterior use because it stands up under severe weather changes. The outside casing is 1⅛ inches by 4¼ inches. The sill is 1⅝ inches by 7¼ inches. Jambs are 1⅜ inches by 5¼ inches, rabbeted to receive doors 1¾ inches thick and furnished in this manner unless ordered to the contrary.

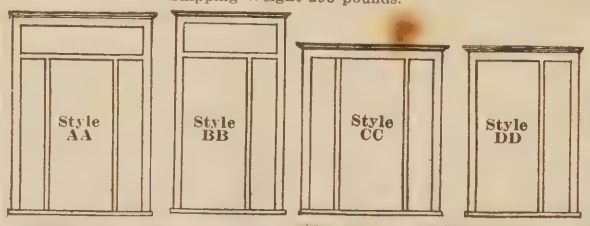
The workmanship is first class; finely finished and smoothly sanded ready to receive first priming coat of paint. The frame is shipped knocked down, but ready to put together. That part of the frame above the door and sidelights, which includes the transom bar and head jamb, is completely assembled and reaches you in one piece, so there is very little work necessary except to nail the jambs and sill to the head and the frame is complete.

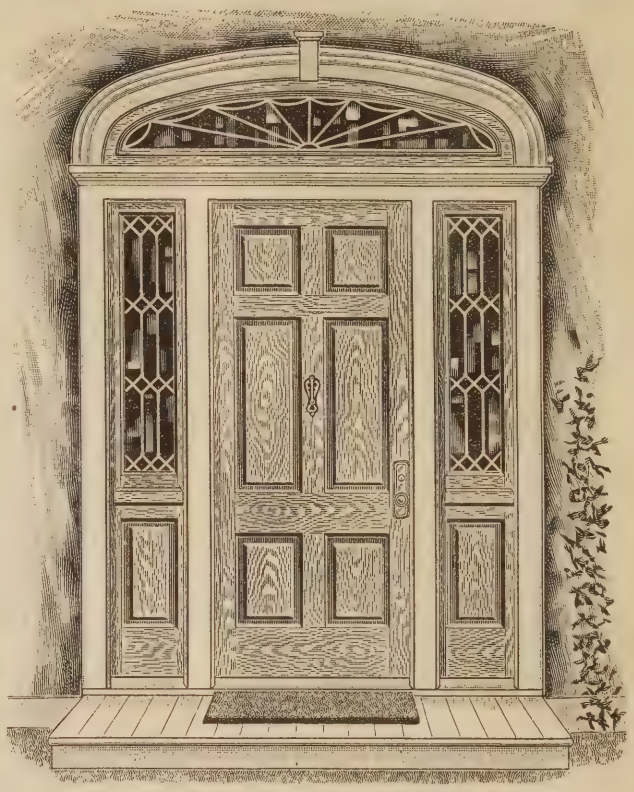
The door illustrated in this Entrance is our "Colonial" 3-0x7-0, 1¾, **No. 10-B-324,** the sidelights each 1-2x7-0, 1⅜, our **No. 10-B-205** glazed Leaded Glass and the transom our **No. 10-B-407.**

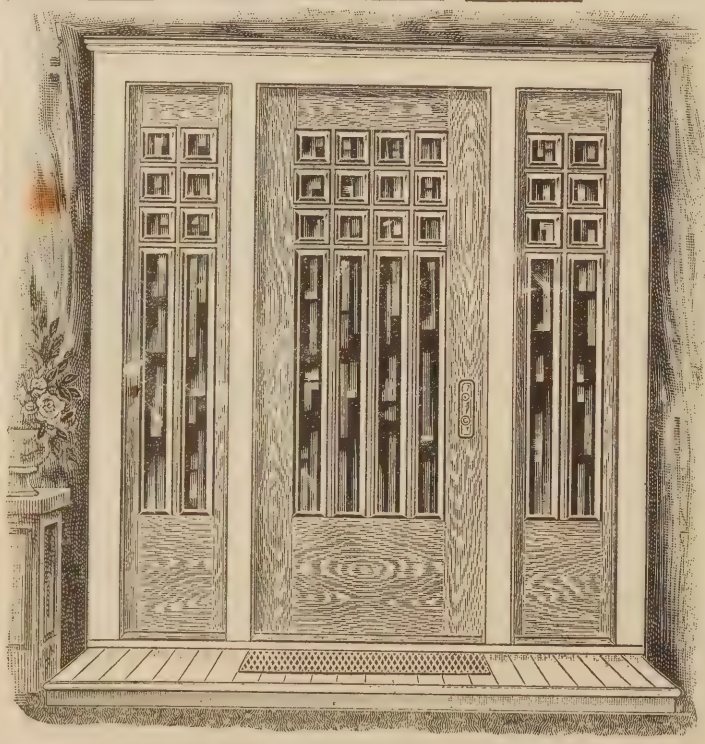
Prices of Frame Only

No. 10-B-360. COLONIAL Entrance frame only.
Price..... **$36.70**
Shipping Weight approximately 160 pounds.

No. 10-B-365. COLONIAL Front Entrance, complete with door, sidelights and transom as shown in cut to the right.
Price—Hardware not included..... **$76.70**
Shipping Weight 290 pounds.







"ENGLEWOOD" FRONT ENTRANCE

AT THE LEFT WE ILLUSTRATE A HANDSOME ENTRANCE

Made of the same excellent quality of material and workmanship as the above throughout.

SPECIFICATIONS: The frame is hand made of Clear Oregon Fir, a wood which is best for exterior use because it stands up under severe weather changes. The outside casing is 1⅛"x4¼". The sill is 1⅝"x7¼". Jambs are 1⅜"x5¼", rabbeted to receive doors 1¾" thick and furnished in this manner unless ordered to the contrary. The frame is shipped knocked down and perfectly fitted ready to nail together.

The door shown in the Entrance to the left is our Shakespeare **No. 10-B-218,** 3-0x7-0, 1¾. Clear Red Oak glazed Bevel Plate Glass, the sidelights, each 1-2x7-0, 1¾, our **No. 10-B-405** Clear Red Oak Glazed Bevel Plate Glass, shown on pages 11 and 17 respectively.

We can furnish this Entrance with either one or two sidelights and also with transom over the door and sidelights. See diagram above.

No. 10-B-408. ENGLEWOOD Front Entrance, complete, per specifications above glazed in Clear Double Strength Glass. Price..... **$57.40**

No. 10-B-410. ENGLEWOOD Front Entrance glazed with Clear Bevel Plate as shown in illustration.
Price..... **$83.30**
Shipping Weight approximately 320 pounds.

Prices do not include hardware. For price on frames only, see below.

FRONT ENTRANCE FRAMES

SPECIFICATIONS: For wood buildings, our frames are made with Crown Mould Cap Head, 1⅛"x4¼" outside Casing, 1⅜"x5¼" Jamb, 1¾"x7½" Sill. For brick building where the wall is 13 inches thick our frames are made with 1¾"x10½" Jamb, and 1⅛"x2" Brick Moulding.

Prices below cover frames only, with door opening up to 3 ft. x 7 ft.; Sidelight opening up to 1 ft. 2"x7 ft. and transom opening up to 18 inches high. All frames are shipped knocked down ready to put together.

Style of Frame	For Wood Building	Price	For 13-inch Brick Wall	Price
"AA"	**10-B-450**	$13.25	**10-B-452**	$15.95
"BB"	**10-B-470**	12.95	**10-B-474**	14.80
"CC"	**10-B-460**	11.75	**10-B-464**	13.75
"DD"	**10-B-480**	9.95	**10-B-484**	11.65

Oak Frames for 13-inch Brick Wall, 50% Extra.

Sidelights and Transoms

10-B-205

10-B-209

Please Read!

Made from "A quality" clear soft pine, clear red oak and clear northern birch.

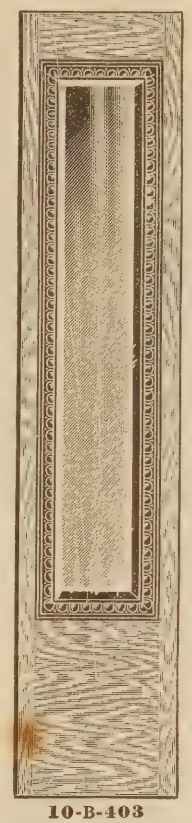
Sidelight No. 10-B-205 can be furnished with leaded glass like No. 10-B-209. We also furnish sidelight No. 10-B-209 glazed plain (not leaded) either double strength glass or bevel plate.

White Pine 1⅜ inches thick
Oak and Birch 1¾ inches thick

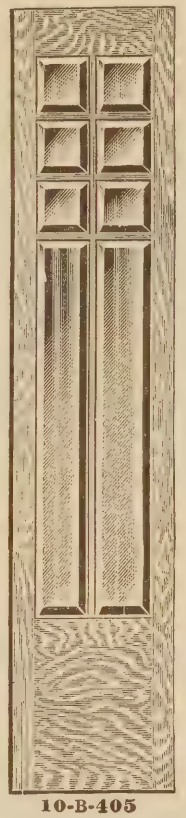
Number	Wood	Glazing	Size	Price
10-B-205	White Pine	Plain D. S. A	1- 2x6- 8 1- 2x7- 0	$3.98 4.17
		Like No. 10-B-209	1- 2x6- 8 1- 2x7- 0	6.53 6.72
10-B-209	White Pine	Plain D. S. A.	1- 2x6- 8 1- 2x7- 0	4.58 5.07
		Leaded as Shown	1- 2x6- 8 1- 2x7- 0	7.58 8.07
10-B-403	Red Oak	Clear D. S. A.	1- 2x6- 8 1- 2x7- 0	7.65 8.22
		Beveled Plate	1- 2x6- 8 1- 2x7- 0	13.53 14.46
10-B-405	Red Oak	Clear D. S. A.	1- 2x6- 8 1- 2x7- 0	11.25 12.19
		Beveled Plate	1- 2x6- 8 1- 2x7- 0	17.22 18.14

Sidelight No. 10-B-405 furnished in white pine 1⅜ thick to match Whittier door at $2.00 less than oak price.

Sidelights can be furnished to match Virginia, Carolina and Maryland Doors. Write for prices.



10-B-403



10-B-405

Transom No. **10-B-401**

Transom No. **10-B-407**

Transom No. **10-B-401** can be furnished leaded to match side lights No. **10-B-209**. Transom No. **10-B-407** can be furnished glazed leaded beveled plate. Write for prices.

SIZES 1⅜ Inch Thick	10-B-401				10-B-407	
	White Pine		Oak or Birch		Leaded Cryst.	Glazed Clear
	Gl. 1 Lt. D. S.	Gl. 2 Lt. D. S.	Gl. 1 Lt. D. S.	Gl. 2 Lt. D. S.	White Pine	D. S. Glass
4 ft. 6 in. wide, up to 1 ft. 6 in. high	$3.14	$3.34	$4.88	$5.17	$18.10	$13.44
4 ft. 8 in. wide, up to 1 ft. 6 in. high	3.26	3.40	4.98	5.29	18.86	13.47
6 ft. 0 in. wide, up to 1 ft. 6 in. high	4.48	4.34	6.14	6.44	22.19	15.73
6 ft. 4 in. wide, up to 1 ft. 6 in. high	5.14	4.58	6.88	7.18	22.94	17.53

Crystal

Queen Anne

Cottage Windows

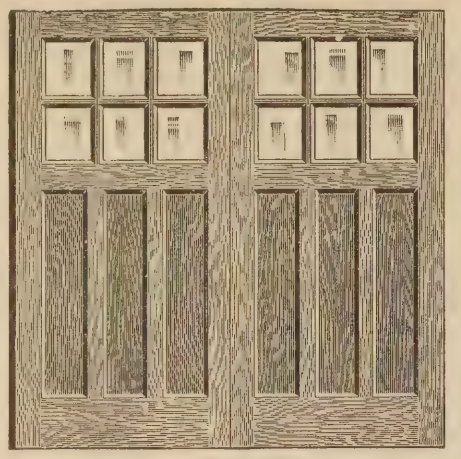
Choicest designs in modern cottage windows to match all styles of architecture. Crystal design has leaded glass top light. Aristocrat design has leaded bevel plate glass top light. Plain View and Queen Anne designs are glazed with clear double strength glass.

Plain View

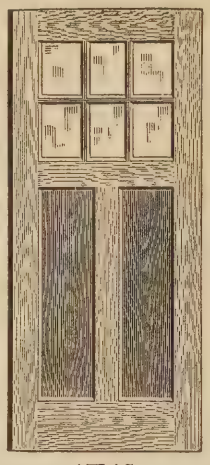
Aristocrat

Glass Size, Bottom, Sash, Width, Height	Glass Size, Top Sash, Width, Height	Outside Measure Width, Height	"Crystal" **10-B-66** Price	"Queen Anne" **10-B-648** Price	"Plainview" **10-B-64** Price	"Aristocrat" **10-B-70** Price	Shipping Weight, Pounds
40" x 42"	40" x 14"	3'8" x 5' 2"	$10.80	$5.59	$4.89	$17.48	94
40" x 40"	40" x 16"	3'8" x 5' 2"	11.27	5.22	4.52	19.82	96
40" x 46"	40" x 14"	3'8" x 5' 6"	11.05	5.79	5.09	17.72	100
44" x 40"	44" x 16"	4'0" x 5' 2"	12.57	6.03	5.33	21.91	104
44" x 44"	44" x 16"	4'0" x 5' 6"	12.77	6.10	5.40	22.11	110
44" x 48"	44" x 16"	4'0" x 5'10"	13.74	7.08	6.38	23.08	125

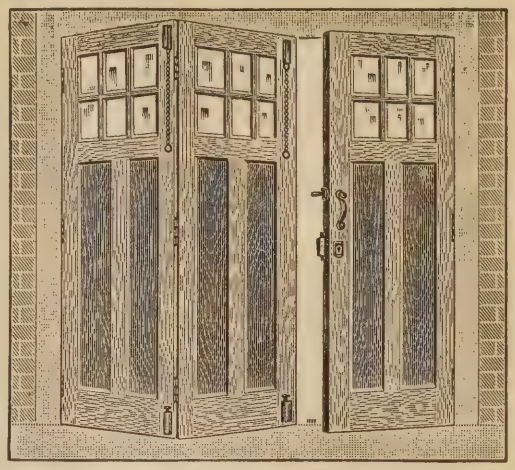
GARAGE AND MULTIFOLD DOORS



ASHLAND



ATLAS



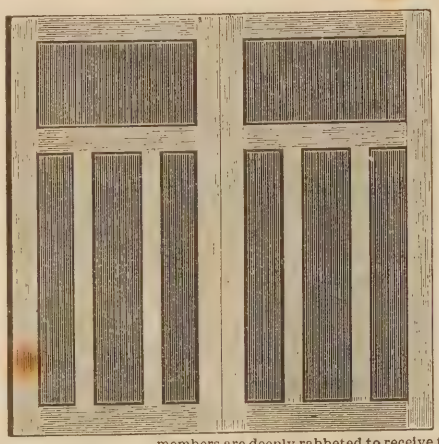
Triple Combination of ATLAS DOORS

Our Multifold Combination Garage and Warehouse Doors are made of Clear Kiln Dried Fir. The stiles and rails of the doors are mortised and wedged, which construction gives you not only a substantial door, but a door that is more durable. The panels are extra heavy, being set into the grooves of the stiles and rails by means of special machinery, making it practically impossible for the panel to warp or check. Water-proof glue is used on all our doors. In offering you these doors it is our intention to give you the best value obtainable for the money, and we must ask that you do not confuse these doors with the so-called "just-as-good-makes" on the market at the present time. Remember, our doors are made of Fir, of mortised and wedged construction, and equipped with durable panels—three distinct and essential features necessary to make a good garage or warehouse door.

ASHLAND DOOR						
Catalog Number	Size of each door			2 doors will fill opening	Price, per pair 2 doors	Shipping Weight Pounds
	Width	Height	Thickness			
10-C-502	4 Ft.	8 Ft.	1¾ inches	8 Ft.x8 Ft.	$20.00	240

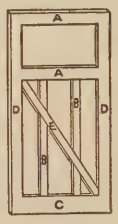
MULTIFOLD COMBINATION	SINGLE DOOR	DOUBLE COMBINATION	TRIPLE COMBINATION
Size of each door	2'8"x8'	2'8"x8'0"	2'8"x8'
Total size	2'8"x8'	5'4"x8'0"	8'x8'
Price, Atlas, 10-C-1445	$7.50	$15.00	$21.00

PRESTO-UP 4x8 foot "No-Sag" Garage Doors



PLAIN

As Low as

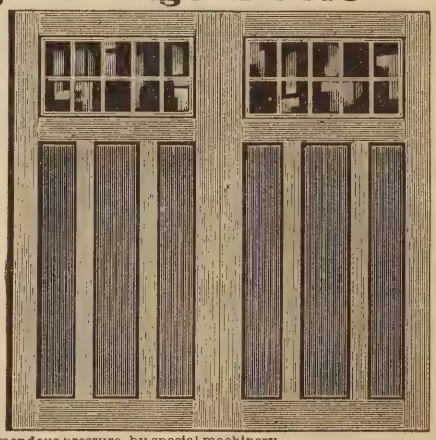


$7.00 each

This is a new size in this door—regular stock size.

These doors are our own exclusive manufacture and design offered in two sizes, shipped net trimmed size 3'11⅝"x7'11⅝". We make them in tremendous quantity for our Patented "PRESTO-UP" Bolt-Together Garages. "PRESTO" doors are medium weight but extra strong and specially braced.

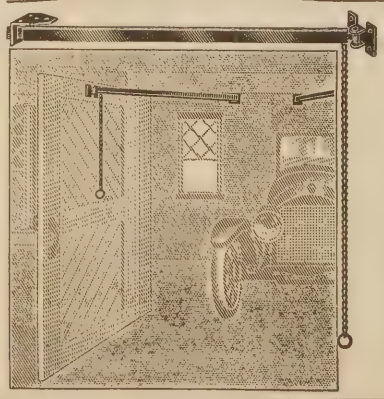
All mortise and tenoned joints glued and pinned. Made from Clear Oregon Fir Lumber. The top and middle cross member (a) 2x6. Vertical Mullions (b) 2x4. Bottom cross member (c) 2x8. Outside stiles (d) 2x6. Net thickness of the door is about 1⅝ inches. All members are deeply rabbeted to receive the Clear kiln-dried Fir Beaded Ceiling under tremendous pressure, by special machinery. The back of the door is braced diagonally (e) and this brace is dadoed into the 2x4 stiles (b) so that it not only gives shoulder and heel brace but also two center braces. It is the dadoing of the mullions (b) into which the diagonal brace (e) is fitted that positively prevents sagging.



GLAZED

No. 38-C-1925—"Plain." Net trimmed size, 3'11⅝" by 7 feet. Price, each..... $7.00

No. 38-C-1926—"Glazed." Net trimmed size, 3'11⅝" by 8 ft. 8 in. Price, each..... $9.00

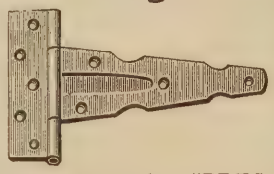


Door Holders

Here is a boon to the garage owner. Adopted as standard equipment on "PRESTO-UP" Garages. Prevents smashed fenders, broken doors, no more hooking on posts in the ground, no more slamming in the wind, etc., etc. Doors are released by a single pull of the chain. The door holders automatically catch and hold the doors in place as shown. Weight, 7 lbs. Price is per set (2 holders).

No. 38-B-140. Price..... $2.00

Hinges



Same as used on "PRESTO-UP" Garages. Heavy black japanned, the strap is 10", the butt 7" long by 2" wide. Complete with Japanned Screws. Weight, 4¼ lbs.

No. 38-B-141. Price, per pair..... 85c

Foot Bolts and Chain Top Bolts

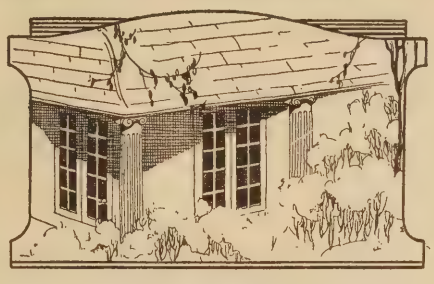
Round steel 6 inch case, ¾ inch bolt. Operated by a brass coilspring. Action of bolt by toe lever. Black, Japanned.

"PRESTO-UP" CHAIN BOLTS, Round steel 6 inch case, ¾ inch bolt. Can easily be reversed. Furnished with Duplex Steel Safety Chain with 1 inch Pull Ring. Complete with plates and screws.

No. 38-B-142. Foot and Chain Bolts, weight 1¾ pounds. Price, per set..... $1.00

French Casement Windows, Colonial Shutters

10-C-306



Lowest Prices

Handsome, artistic French Windows harmonize with any style of architecture. Made of best quality "A" grade Soft White Pine stock, glazed with clear double strength glass. They are furnished in pairs, rabbeted at the center where the sash join, in the manner of a cupboard door, insuring a close fit. Strong wood dividing bars are used and the sash are built in the most substantial manner. These designs are the most desirable as well as the most popular.

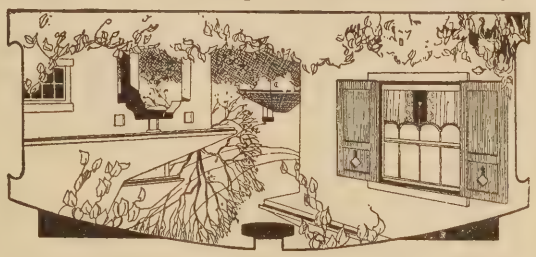
10-C-307

Price per Pair of French Windows

Opening Size	2–8x3–6	2–8x4–6	2–8x5–2	2–10x5–2	2–10x5–6	3–0x4–6	3–0x5–2	3–0x5–6	3–4x5–6	3–4x5–10	3–8x5–6	3–8x5–10	Ship. wt.
10-C-307	$4.10	$4.88	$5.55	$5.62	$5.90	$5.25	$5.51	$5.76	$6.34	$6.85	$7.25	$8.40	40
10-C-306	3.90	4.65	5.22	5.35	5.63	4.99	5.25	5.55	5.90	6.41	6.72	7.20	38

Outside Blinds—They Beautify Any Home

No. 10-B-693



This is a new improvement in the making of shutters, the bottom panel is solid but moulded on both sides to look like slats, much more attractive than solid panels and you have all the beauty of slat shutters but none of the rattles and breakages.

Special designs in top panel can be furnished.

You will be tremendously surprised what an improvement a few pairs if added on the front only will make.

In addition to ornamentation, shutters afford considerable protection, keeping the house warmer in the winter and cooler in the summer.

Made in pairs of two half sections and each unit price covers two half sections for the size window listed.

Our Shutters are all made from strictly clear White Pine, well manufactured, accurately machined and shipped unpainted.

The column under size of opening means that this is the measurement of the opening that the shutters are to be fitted into.

All shutters made 1⅛ inches thick.

No. 10-B-699

Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight	Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight	Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight	Size of Opening ft. in. ft. in.	Price per Pair	Ship. Weight
2– 0⅛x3–11½	$5.20	15	2– 8½x5– 3½	$6.52	25	2– 0⅛x3–11½	$5.11	15	2– 8½x5– 3½	$6.41	25
2– 4⅛x4– 7½	6.09	18	2– 8½x5– 7½	7.11	26	2– 4⅛x4– 7½	6.00	18	2– 8½x5– 7½	7.02	26
2– 4⅛x5– 3½	6.20	20	2– 8½x5–11½	7.40	28	2– 4⅛x5– 3½	6.11	20	2– 8½x5–11½	7.30	28
2– 4⅛x5– 7½	6.64	22	2–10½x5– 7½	7.31	26	2– 4⅛x5– 7½	6.55	22	2–10½x5– 7½	7.22	26
2– 6⅛x5– 3½	6.32	22	2–10½x5–11½	7.60	28	2– 6⅛x5– 3½	6.24	22	2–10½x5–11½	7.51	28
2– 6⅛x5– 7½	6.90	24	3– 0⅛x5–11½	7.91	30	2– 6⅛x5– 7½	6.82	24	3– 0⅛x5–11½	7.83	30

For Sizes not listed, allow price of next larger size.

Standard Check Rail Windows

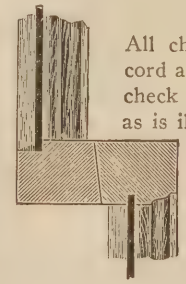
CLEAR WHITE PINE

1 3/8 Inches Thick

No. 10-B-71

These windows are manufactured in our own shops. They are of clear white pine, kiln dried, mortised, pinned and sanded, glass extra strong tacked, and puttied with high quality putty.

The term "window" means two sash—upper and lower.

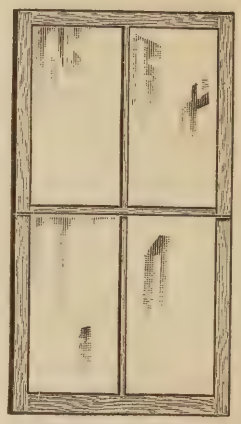


All check rail windows are plowed and bored for sash cord and can be used either with or without weights. The check is the beveled rail where the two sash come together, as is illustrated in cross section cut shown at left.

When ordering be sure to give width first.

Price includes both top and bottom sash.

Weight—A window 28x28 2 lights check rail 1 3/8 inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.



No. 10-B-72

Two Light Check Rail Windows

1 3/8 inches thick

10-B-71

Size of Glass	Price per Window, Glazed Single St'gth.	Double St'gth	Outside Measure W'th. Ft. in.	H'th. Ft. in.
16x16	$1.18	.....	1- 8 1/8	x3- 2
16x18	1.29	.....	1- 8 1/8	x3- 6
16x20	1.40	$1.68	1- 8 1/8	x3-10
16x22	1.53	1.89	1- 8 1/8	x4- 2
16x24	1.59	1.90	1- 8 1/8	x4- 6
16x26	1.78	2.02	1- 8 1/8	x4-10
16x28	1.87	2.22	1- 8 1/8	x5- 2
16x30	1.98	2.38	1- 8 1/8	x5- 6
18x18	1.42	1.76	1-10 1/8	x3- 6
18x20	1.53	1.83	1-10 1/8	x3-10
18x22	1.72	2.06	1-10 1/8	x4- 2
18x24	1.78	2.12	1-10 1/8	x4- 6
18x26	1.96	2.36	1-10 1/8	x4-10
18x28	2.06	2.46	1-10 1/8	x5- 2
18x30	2.17	2.59	1-10 1/8	x5- 6
20x20	1.72	2.06	2- 0 1/8	x3-10
20x22	1.85	2.22	2- 0 1/8	x4- 2
20x24	1.96	2.36	2- 0 1/8	x4- 6
20x26	2.06	2.46	2- 0 1/8	x4-10
20x28	2.17	2.61	2- 0 1/8	x5- 2
20x30	2.20	2.76	2- 0 1/8	x5- 6
20x32	2.56	3.07	2- 0 1/8	x5-10
22x20	1.85	2.22	2- 2 1/8	x3-10
22x22	1.96	2.36	2- 2 1/8	x4- 2
22x24	2.06	2.46	2- 2 1/8	x4- 6
22x26	2.17	2.61	2- 2 1/8	x4-10
22x28	2.30	2.76	2- 2 1/8	x5- 2
22x30	2.52	3.02	2- 2 1/8	x5- 6
22x32	2.73	3.27	2- 2 1/8	x5-10
24x16	1.60	1.92	2- 4 1/8	x3- 2
24x18	1.78	2.14	2- 4 1/8	x3- 6
24x20	1.95	2.35	2- 4 1/8	x3-10
24x22	2.06	2.46	2- 4 1/8	x4- 2
24x24	2.30	2.76	2- 4 1/8	x4- 6
24x26	2.32	2.78	2- 4 1/8	x4-10

Continued

Size of Glass	Price per Window, Glazed Single St'gth.	Double St'gth	Outside Measure W'th. Ft. in.	H'th. Ft. in.
24x28	$2.52	$3.02	2- 4 1/8	x5- 2
24x30	2.71	3.24	2- 4 1/8	x5- 6
24x32	3.05	3.66	2- 4 1/8	x5-10
24x34	3.07	3.68	2- 4 1/8	x6- 2
24x36	3.35	4.02	2- 4 1/8	x6- 6
26x16	1.78	2.14	2- 6 1/8	x3- 2
26x20	2.06	2.46	2- 6 1/8	x3-10
26x22	2.26	2.70	2- 6 1/8	x4- 2
26x24	2.30	2.76	2- 6 1/8	x4- 6
26x26	2.52	3.02	2- 6 1/8	x4-10
26x28	2.77	3.32	2- 6 1/8	x5- 2
26x30	3.01	3.61	2- 6 1/8	x5- 6
26x32	3.05	3.65	2- 6 1/8	x5-10
26x34	3.55	4.22	2- 6 1/8	x6- 2
26x36	3.57	4.27	2- 6 1/8	x6- 6
28x24	2.51	3.01	2- 8 1/8	x4- 6
28x26	2.75	3.30	2- 8 1/8	x4-10
28x28	3.01	3.61	2- 8 1/8	x5- 2
28x30	3.03	3.63	2- 8 1/8	x5- 6
28x32	3.55	4.26	2- 8 1/8	x5-10
28x34	3.57	4.28	2- 8 1/8	x6- 2
28x36	3.96	4.76	2- 8 1/8	x6- 6
30x24	2.71	3.25	2-10 1/8	x4- 6
30x26	3.01	3.61	2-10 1/8	x4-10
30x28	3.03	3.64	2-10 1/8	x5- 2
30x30	3.85	4.62	2-10 1/8	x5- 6
30x32	3.89	4.67	2-10 1/8	x5-10
30x34	4.32	5.18	2-10 1/8	x6- 2
30x36	4.34	5.20	2-10 1/8	x6- 6
32x24	3.05	3.65	3- 0 1/8	x4- 6
32x26	3.07	3.67	3- 0 1/8	x4-10
32x28	3.55	4.26	3- 0 1/8	x5- 2
32x30	3.89	4.67	3- 0 1/8	x5- 6
32x32	.....	5.38	3- 0 1/8	x5-10
32x34	.....	5.40	3- 0 1/8	x6- 2
32x36	.....	6.13	3- 0 1/8	x6- 6
34x24	3.07	3.67	3- 2 1/8	x4- 6
34x28	3.57	4.28	3- 2 1/8	x5- 2
34x30	4.32	5.18	3- 2 1/8	x5- 6
34x32	.....	5.39	3- 2 1/8	x5-10

Continued

Size of Glass	Price per Window, Glazed Single St'gth.	Double St'gth	Outside Measure W'th. Ft. in.	H'th. Ft. in.
34x36	.....	$6.74	3- 4 1/8	x6- 6
36x24	$3.35	4.49	3- 4 1/8	x4- 6
36x26	3.57	4.79	3- 4 1/8	x4-10
36x28	3.96	5.38	3- 4 1/8	x5- 2
36x30	4.34	5.40	3- 4 1/8	x5- 6
36x32	.....	6.13	3- 4 1/8	x5-10
36x34	.....	6.74	3- 4 1/8	x6- 2
36x36	.....	6.76	3- 4 1/8	x6- 6
40x28	.....	6.16	3- 8 1/8	x5- 2
40x30	.....	6.19	3- 8 1/8	x5- 6
40x32	.....	6.79	3- 8 1/8	x5-10
40x34	.....	7.91	3- 8 1/8	x6- 2
40x36	.....	7.95	3- 8 1/8	x6- 6

Pantry Windows Two Light Check Rail

1 3/8 inches thick

10-B-85

Size of Glass Inches	Price per Window Glazed	Outside Measure W'th. ft. in.	H'th. ft. in.
12x16	$1.00	1- 4 1/8	x3- 2
12x18	1.03	1- 4 1/8	x3- 6
12x20	1.16	1- 4 1/8	x3-10
12x22	1.22	1- 4 1/8	x4- 2
12x24	1.33	1- 4 1/8	x4- 6
12x26	1.42	1- 4 1/8	x4-10
12x28	1.51	1- 4 1/8	x5- 2
12x30	1.63	1- 4 1/8	x5- 6
14x20	1.24	1- 6 1/8	x3-10
14x24	1.48	1- 6 1/8	x4- 6
14x26	1.53	1- 6 1/8	x4-10
14x28	1.72	1- 6 1/8	x5- 6
14x30	1.81	1- 6 1/8	x5- 6

Four Light Check Rail Windows

1 3/8 inches thick

10-B-72

Size o Glass	Glazed Single Strength	Outside Measure W'th. Ft. in.	H'th. Ft. in.
10x20	$1.72	2- 1x3	-10
10x22	1.83	2- 1x4	- 2
10x24	1.96	2- 1x4	- 6
10x26	2.11	2- 1x4	-10
10x28	2.24	2- 1x5	- 2
10x30	2.37	2- 1x5	-6
10x32	2.62	2- 1x5	-10
12x20	1.94	2- 5x3	-10
12x22	2.09	2- 5x4	- 2
12x24	2.28	2- 5x4	- 6
12x26	2.41	2- 5x4	-10
12x28	2.58	2- 5x5	- 2
12x30	2.86	2- 5x5	- 6
12x32	3.01	2- 5x5	-10
12x34	3.14	2- 5x6	- 2
12x36	3.27	2- 5x6	- 6
14x20	2.13	2- 9x3	-10
14x22	2.41	2- 9x4	- 2
14x24	2.56	2- 9x4	- 6
14x26	2.67	2- 9x4	-10
14x28	3.07	2- 9x5	- 2
14x30	3.20	2- 9x5	- 6
14x32	3.42	2- 9x5	-10
14x34	3.58	2- 9x6	- 2
14x36	3.78	2- 9x6	- 6
15x30	3.50	2-11x5	- 6
15x32	3.77	2-11x5	-10
15x36	4.09	2-11x6	- 6

Clear White Pine Hall, Closet or Stair Landing Sash

No. 10-B-1411

MADE IN FIRST CLASS MANNER OF CLEAR WHITE PINE

The side stiles and top rail are 2 in. wide while the bottom rail is 3 in. wide. First quality material and manufacture. Glazed with clear glass, strongly tacked and puttied. Exceptional values.

Glass Size Inches	Thickness Inches	Outside Measure Width Height ft. in. ft. in.	Price 10-B-1411 1 Light Glazed	Price 10-B-1413 5 Light Glazed
30x14	1 3/8	2-10x1- 7	$1.17	$1.67
30x16	1 3/8	2-10x1- 9	1.20	1.70
30x18	1 3/8	2-10x1-11	1.35	1.85
32x16	1 3/8	3- 0x1- 9	1.38	1.88
36x16	1 3/8	3- 4x1- 9	1.45	1.95
36x18	1 3/8	3- 4x1-11	1.56	2.06
40x18	1 3/8	3- 8x1-11	1.81	2.31

No. 10-B-1413

Standard CHECK RAIL 1⅜ Inch Thick CLEAR WHITE PINE Windows

10-B-74

Our Check Rail Windows are plowed and bored for sash cord and can be used with or without weights. The Check Rail feature where the two sash come together, prevents rattling and makes the windows stormpróof.

Eight Light CHECK RAIL Windows

1⅜ Inch Thick

10-B-74

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
8x10	1⅜	**$1.52**	1- 9x3-10
8x12	1⅜	**1.72**	1- 9x4- 6
9x12	1⅜	**1.83**	1-11x4- 6
9x14	1⅜	**2.05**	1-11x5- 2
10x12	1⅜	**1.95**	2- 1x4- 6
10x14	1⅜	**2.17**	2- 1x5- 2
10x16	1⅜	**2.62**	2- 1x5-10
12x14	1⅜	**2.56**	2- 5x5- 2
12x16	1⅜	**2.86**	2- 5x5-10
12x18	1⅜	**3.15**	2- 5x6- 6
14x16	1⅜	**3.23**	2- 9x5-10
14x18	1⅜	**3.46**	2- 9x6- 6
14x20	1⅜	**3.82**	2- 9x7- 2

Twelve Light CHECK RAIL Windows

1⅜ Inch Thick

10-B-76

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
8x10	1⅜	**$2.07**	2- 4½x3-10
8x12	1⅜	**2.32**	2- 4½x4- 6
9x12	1⅜	**2.49**	2- 7½x4- 6
9x14	1⅜	**2.77**	2- 7½x5- 2
10x12	1⅜	**2.69**	2-10½x4- 6
10x14	1⅜	**2.99**	2-10½x5- 2
10x16	1⅜	**3.61**	2-10½x5-10
10x18	1⅜	**3.82**	2-10½x6- 6
12x14	1⅜	**3.63**	3- 4½x5- 2
12x16	1⅜	**3.98**	3- 4½x5-10
12x18	1⅜	**4.41**	3- 4½x6- 6
12x20	1⅜	**4.82**	3- 4½x7- 2

10-B-76

Regular Plain Rail Windows

CLEAR WHITE PINE

1⅛ Inch Thick

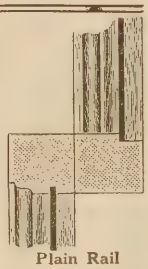
The Plain Rail Windows listed below are made of stock 1⅛ inches thick and are usually held in place by spring bolts on one or both sides of each sash. A window of this kind is rarely put in a first class residence, but for the cheaper houses and to be used in barns, sheds and shops, the plain rail window is all right and can be recommended. The same high-grade stock is used as in our check rail windows. On Plain Rail windows the top sash is usually stationary.

When ordering, be sure to give width first.

Prices for all windows on this page include top and bottom sash with glass puttied in.

A window 10x12, 12 lights, is considered an average size and weighs 25 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.

Cut of "Check Rail" Shown on Preceding Page.



Plain Rail

Plain Rail Windows—Four Light

1⅛ Inch Thick

10-B-73

2 Lights Above And 2 Lights Below.

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
12x20	1⅛	**$1.94**	2- 5x3-10
12x24	1⅛	**2.28**	2- 5x4- 6
12x26	1⅛	**2.41**	2- 5x4-10
12x28	1⅛	**2.58**	2- 5x5- 2

Plain Rail Windows—Eight Light

10-B-75

4 Lights Above And 4 Lights Below.

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
8x10	1⅛	**$1.42**	1- 8½x3-10
8x12	1⅛	**1.59**	1- 8½x4- 6
9x12	1⅛	**1.72**	1-10½x4- 6
9x14	1⅛	**1.91**	1-10½x5- 2
10x12	1⅛	**1.85**	2- 0½x4- 6
10x14	1⅛	**2.07**	2- 0½x5- 2
10x16	1⅛	**2.65**	2- 0½x5-10
12x14	1⅛	**2.40**	2- 4½x5- 2
12x16	1⅛	**2.69**	2- 4½x5-10

Plain Rail Windows—Twelve Light

10-B-77

6 Lights Above And 6 Lights Below.

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
7x 9	1⅛	**$1.65**	2- 1x3- 6
8x10	1⅛	**1.91**	2- 4x3-10
8x12	1⅛	**2.15**	2- 4x4- 6
8x14	1⅛	**2.41**	2- 4x5- 2
9x12	1⅛	**2.32**	2- 7x4- 6
9x14	1⅛	**2.60**	2- 7x5- 2
9x15	1⅛	**2.75**	2- 7x5- 6
10x12	1⅛	**2.51**	2-10x4- 6
10x14	1⅛	**2.82**	2-10x5- 2
10x15	1⅛	**2.97**	2-10x5- 6
10x16	1⅛	**3.40**	2-10x5-10
10x18	1⅛	**3.61**	2-10x6- 6
12x14	1⅛	**3.40**	3- 4x5- 2
12x16	1⅛	**3.74**	3- 4x5-10

These Are Low Prices for Finely Made Clear WHITE PINE SASH

Factory Plain Rail Windows—Fifteen Light

10-B-78

6 Lights Above And 9 Lights Below.

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
8x10	1⅛	**$2.78**	2- 4½x5-8½
10x12	1⅛	**3.64**	2-10½x5-6⅞

Factory Plain Rail Windows—Eighteen Light

10-B-79

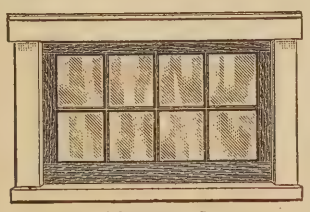
9 Lights Above And 9 Lights Below.

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.
8x10	1⅛	**$3.58**	2- 4½x5-7⅛
10x12	1⅛	**4.71**	2-10½x6-7⅛

White Pine Hall, Closet or Stair Landing Sash

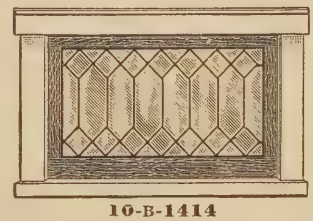
The side stiles and top rail are 2 inches wide while the bottom rail is 3 inches wide. Made of Clear White Pine.

First quality material and manufacture. Glazed with clear glass, and puttied and back puttied. Exceptional values.



10-B-1412

Glass Size Inches	Thickness Inches	Outside Measure Width Height ft. in. ft. in.	10-B-1412 Price 8 Light Glazed	10-B-1414 Price Glazed Leaded
30x14	1⅜	2-10x1- 7	**$1.97**	**$3.87**
30x16	1⅜	2-10x1- 9	**2.00**	**4.27**
30x18	1⅜	2-10x1-11	**2.15**	**4.71**
32x16	1⅜	3- 0x1- 9	**2.18**	**4.42**
36x16	1⅜	3- 4x1- 9	**2.25**	**4.97**
36x18	1⅜	3- 4x1-11	**2.36**	**5.52**
40x18	1⅜	3- 8x1-11	**2.61**	**6.11**



10-B-1414

Divided-Light Windows

10-B-1337

Fancy Cut-up Top Sash

Price table below includes window complete as illustrated, top sash and bottom sash, glazed with clear glass.

CHECKRAIL
$1\frac{3}{8}''$ THICK

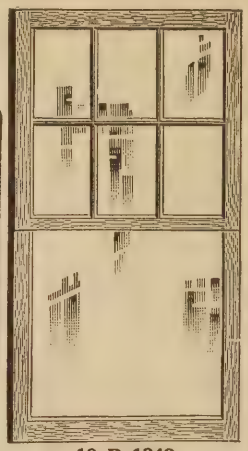
$1\frac{3}{8}''$ Thick

10-B-1341

Divided by Wood Bars

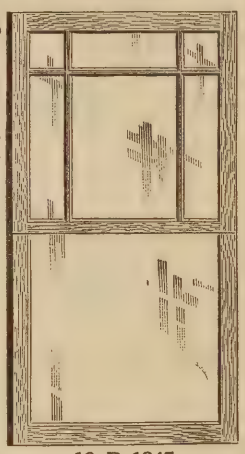
Glazed S. S. means that window is set with glass in single strength thickness—glazed D. S. double strength.

CHECKRAIL
$1\frac{3}{8}''$ THICK



10-B-1342

10-B-1344



10-B-1345

CLEAR WHITE PINE

These are the best known and most popular designs in fancy cut up top sash. Wood bars are used to divide the lights and the work is done by hand, each piece being carefully mortised in pinned and smoothly sanded. Every light of glass is well tacked and puttied to hold its place.

A WORD ABOUT SIZES—Having our own sash factory right here at our main plant we can furnish any size at proportionately low prices.

WEIGHTS: ***A window 28x28 2 lights check rail $1\frac{3}{8}$ inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.***

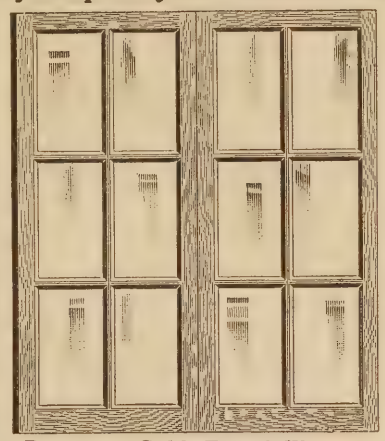
Sizes of Glass	OUTSIDE MEASURE Width Height Ft. in. Ft. in.	10-B-1337		10-B-1341		10-B-1342		10-B-1344		10-B-1345	
		Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.	Glazed S. S.	Glazed D. S.
16x20	1- 8⅛x3-10	$2.25	$2.59	$1.88	$2.20	$1.97	$2.29	$1.78	$2.10	$2.05	$2.39
16x24	1- 8⅛x4- 6	2.48	3.15	2.06	2.46	2.15	2.55	1.96	2.36	2.28	2.66
16x26	1- 8⅛x4-10	2.61	3.17	2.17	2.59	2.19	2.61	2.07	2.47	2.60	3.12
16x28	1- 8⅛x5- 2	2.79	3.34	2.36	2.82	2.68	3.20	2.26	2.68	2.72	3.26
18x20	1-10⅛x3-10	2.52	3.04	2.17	2.60	2.25	2.70	2.06	2.46	2.31	2.77
18x28	1-10⅛x5- 2	2.98	3.58	2.53	3.03	2.71	3.25	2.43	2.91	2.82	3.38
20x20	2- 0⅛x3-10	2.59	3.10	2.20	2.69	2.29	2.78	2.10	2.59	2.39	2.90
20x24	2- 0⅛x4- 6	2.83	3.45	2.43	3.01	2.52	3.10	2.33	2.91	2.63	3.25
20x26	2- 0⅛x4-10	2.93	3.52	2.54	3.04	2.63	3.15	2.44	2.92	2.84	3.40
20x28	2- 0⅛x5- 2	3.06	3.98	2.65	3.35	2.74	3.44	2.55	3.25	2.86	3.78
22x24	2- 2⅛x4- 6	2.95	3.60	2.54	3.17	2.63	3.26	2.44	3.07	2.75	3.40
22x26	2- 2⅛x4-10	3.06	3.78	2.65	3.35	2.74	3.44	2.55	3.15	2.86	3.58
22x28	2- 2⅛x5- 2	3.20	3.99	2.78	3.53	2.87	3.62	2.68	3.43	3.00	3.79
22x30	2- 2⅛x5- 6	3.42	4.30	2.99	3.83	3.08	3.92	2.89	3.73	3.22	4.10
24x20	2- 4⅛x3-10	2.83	3.45	2.43	3.01	2.52	3.10	2.33	2.91	2.63	3.25
24x22	2- 4⅛x4- 2	3.10	3.72	2.55	3.10	2.62	3.14	2.45	2.92	2.75	3.30
24x24	2- 4⅛x4- 6	3.20	3.99	2.78	3.11	2.87	3.20	2.68	3.01	3.00	3.79
24x26	2- 4⅛x4-10	3.23	4.00	2.80	3.13	2.89	3.22	2.70	3.03	3.03	3.80
24x28	2- 4⅛x5- 2	3.42	4.30	2.99	3.83	3.08	3.92	2.89	3.73	3.22	4.10
24x30	2- 4⅛x5- 6	3.63	4.58	3.19	4.09	3.28	4.18	3.09	3.99	3.43	4.38
26x20	2- 6⅛x3-10	3.17	3.81	2.62	3.14	2.64	3.16	2.52	3.02	2.82	3.38
26x22	2- 6⅛x4- 2	3.21	3.85	2.65	3.18	2.74	3.28	2.55	3.05	2.86	3.42
26x24	2- 6⅛x4- 6	3.22	3.86	2.80	3.36	2.89	3.47	2.70	3.24	3.03	3.63
26x26	2- 6⅛x4-10	3.23	3.99	3.00	3.83	3.09	3.92	2.90	3.73	3.03	3.79
26x28	2- 6⅛x5- 2	3.69	4.67	3.25	4.18	3.34	4.27	3.15	4.08	3.49	4.47
26x30	2- 6⅛x5- 6	3.85	5.03	3.49	4.52	3.58	4.61	3.29	4.42	3.65	4.83
28x24	2- 8⅛x4- 6	3.42	4.10	2.99	3.59	3.08	3.69	2.89	3.47	3.22	3.86
28x26	2- 8⅛x4-10	3.69	4.42	3.25	3.90	3.34	4.01	3.15	3.78	3.49	4.28
28x28	2- 8⅛x5- 2	3.85	5.03	3.49	4.52	3.58	4.61	3.39	4.42	3.65	4.83
28x30	2- 8⅛x5- 6	3.96	5.04	3.51	4.54	3.60	4.63	3.41	4.44	3.76	4.84
28x32	2- 8⅛x5-10	4.01	5.29	4.03	5.25	4.12	5.34	3.93	5.15	3.81	5.09
30x24	2-10⅛x4- 6	3.63	4.57	3.19	4.09	3.28	4.18	3.09	3.99	3.43	4.37
30x26	2-10⅛x4-10	3.85	4.62	3.49	4.24	3.58	4.28	3.39	4.07	3.65	4.38
30x28	2-10⅛x5- 2	3.96	5.04	3.51	4.54	3.60	4.63	3.41	4.44	3.76	4.84
30x30	2-10⅛x5- 6	4.81	5.76	4.33	5.23	4.42	5.32	4.23	5.13	4.61	5.56
30x32	2-10⅛x5-10	4.86	5.81	4.37	5.27	4.46	5.36	4.27	5.17	4.66	5.61
32x24	3- 0⅛x4- 6	3.91	4.69	3.50	4.25	3.59	4.29	3.40	4.08	3.67	4.40
32x28	3- 0⅛x5- 2	4.50	5.78	4.03	5.24	4.12	5.33	3.93	5.14	4.30	5.58
32x30	3- 0⅛x5- 6	4.86	5.81	4.37	5.26	4.46	5.35	4.27	5.16	4.66	5.61
36x28	3- 4⅛x5- 2	4.95	6.41	4.43	5.85	4.52	5.94	4.33	5.75	4.75	6.21
36x30	3- 4⅛x5- 6	5.33	6.44	4.81	5.87	4.90	5.96	4.71	5.77	5.13	6.24

Cellar Sash, Attic Sash, Dormer Sash, Barn Sash and Transoms

These Sash are made in every respect just the same as our highest class Windows—Clear White Pine Lumber, standard width, thickness and manufacture, glass strongly tacked with zinc points and glass carefully puttied in.

Dormer or Gable Casement Sash
Above **10-C-330** 1⅜ Inches Thick

Size of Glass Inches	Outside meas. ft. in. ft. in.	Price Glazed
8x10	1- 8⅜x2-11½	$1.35
9x12	1-10⅝x3- 5½	1.40
10x14	2- 0⅜x3-11½	1.56



Dormer or Gable French Window
Above **10-C-331** 1⅜ Inches Thick

Outside meas. ft. in. ft. in.	Price Per Pair
2- 8x2- 6	$1.84
2-10x2-10	2.03

Iowa Barn Sash
Above **10-C-332** 1⅜ Inches Thick

Size of Glass Inches	Outside meas. ft. in. ft. in.	Price Glazed
8x10	2- 4¾x2-11¾	$1.78
9x12	2- 7¾x3- 5¾	1.85
10x12	2-10¾x3- 5¾	2.04

Single Sash
Clear White Pine
No. 10-B-84

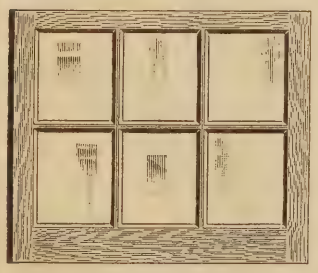
One Light, 1⅜ Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
18x20	$0.92	1-10x2- 1
20x20	1.03	2- 0x2- 1
20x24	1.14	2- 0x2- 5
24x24	1.34	2- 4x2- 5
24x28	1.47	2- 4x2- 9
24x30	1.56	2- 4x2-11

Barn Sash
No. 10-B-86
Clear White Pine

Four Lights, 1⅜ Inch Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
8x10	$0.77	1- 8x2- 1
9x12	.90	1-10x2- 5
9x14	1.01	1-10x2- 9
10x12	.96	2- 0x2- 5
10x14	1.07	2- 0x2- 9
10x16	1.30	2- 0x3- 1
12x14	1.27	2- 4x2- 9
12x16	1.40	2- 4x3- 1

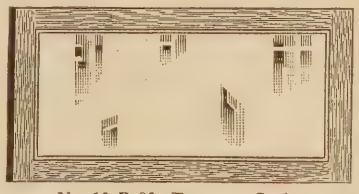


Barn Sash
Clear White Pine

No. 10-B-87. 6 Lights, 1⅜ Inch Thick

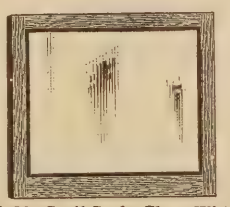
Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
8x10	$1.03	2- 4x2- 1
9x12	1.25	2- 7x2- 5
10x12	1.34	2-10x2- 5
10x14	1.61	2-10x2- 9
10x16	1.95	2-10x3- 1
12x14	1.90	3- 4x2- 9
12x16	2.11	3- 4x3- 1

Single Sash and Transoms



No. 10-B-80 Transom Sash, Clear White Pine

Outside Measure Width Height ft. in. in.	Thickness	Price, 1 Lgt. Glazed
2- 6x10	1⅜	$0.65
2- 6x12	1⅜	.67
2- 6x14	1⅜	.70
2- 6x16	1⅜	.77
2- 8x10	1⅜	.68
2- 8x12	1⅜	.70
2- 8x14	1⅜	.74
2- 8x16	1⅜	.85
2- 8x18	1⅜	.97
2- 8x20	1⅜	1.03
2-10x12	1⅜	.77
2-10x14	1⅜	.80
2-10x16	1⅜	.90
2-10x18	1⅜	1.01
2-10x20	1⅜	1.11
3- 0x12	1⅜	.86
3- 0x14	1⅜	.90
3- 0x16	1⅜	.94
3- 0x18	1⅜	1.05
3- 0x20	1⅜	1.16



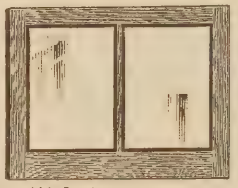
No. 10-B-83 Stall Sash, Clear White Pine

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
10x12	$0.48	1-2x1-5
10x14	.53	1-2x1-7
12x14	.60	1-4x1-7
12x16	.62	1-4x1-9

Cellar Sash

Clear White Pine

No. 10-B-81



Two Lights, 1⅜ Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
10x12	$0.66	2- 1x1- 5
10x14	.73	2- 1x1- 7
10x16	.81	2- 1x1- 9
10x18	.86	2- 1x1-11
10x20	.90	2- 1x2- 1
12x12	.73	2- 5x1- 5
12x14	.81	2- 5x1- 7
12x16	.88	2- 5x1- 9
12x18	.97	2- 5x1-11
12x20	1.01	2- 5x2- 1
12x24	1.16	2- 5x2- 5
14x16	.98	2- 9x1- 9
14x18	1.05	2- 9x1-11
14x20	1.12	2- 9x2- 1

Cellar Sash

No. 10-B-82 Clear White Pine
Three Lights, 1⅜ Inches Thick

Size of Glass Inches	Price, Glazed	Outside meas. ft. in. ft. in.
7x 9	$0.57	2- 1x1- 2
8x10	.64	2- 4x1- 3
8x12	.70	2- 4x1- 5
8x14	.77	2- 4x1- 7
9x12	.75	2- 7x1- 5
9x14	.81	2- 7x1- 7
9x16	.88	2- 7x1- 9
10x12	.81	2-10x1- 5
10x14	.88	2-10x1- 7
10x16	1.01	2-10x1- 9
12x12	.92	3- 4x1- 5
12x14	1.05	3- 4x1- 7
12x16	1.12	3- 4x1- 9
12x18	1.25	3- 4x1-11

A Page for the Handy Man

10-B-201

10-B-204

China Closets and Book Case Doors

In these four designs, we offer a choice from which any one building a china closet can make a satisfactory selection. No. **10-B-201** is a glazed clear glass, and Nos. **10-B-204** and **10-B-202** are glazed with Leaded Crystal Glass. No. **10-B-203** is exceptionally artistic and is a combination of a rich color in the design only, with a clear glass background. Just enough color to make it look pretty and desirable for either china closet or bookcase doors.

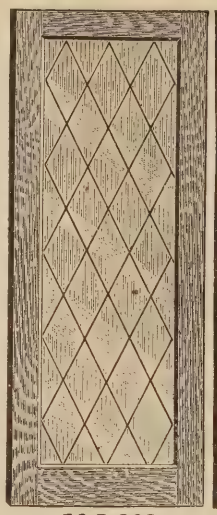
Our China Closet Doors are made 1⅛-inch thick and furnished in either clear Pine or Red Oak.

Prices on China Closet Doors
Clear Pine

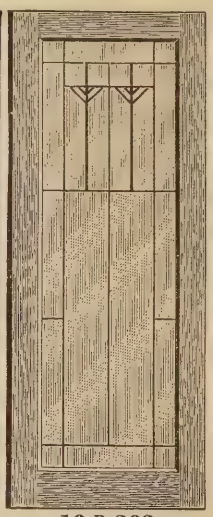
SIZES	10-B-201	10-B 204-	10-B-202	10-B-203
1-6 x 3-0	$1.74	$4.31	$4.45	$4.86
1-6 x 3-4	2.05	5.13	5.44	5.91
1-8 x 3-4	2.17	5.48	5.66	6.09
1-6 x 4-0	2.26	5.88	6.08	6.43
1-8 x 4-0	2.57	6.56	6.78	7.13

Shipping Weight 25 Pounds.

For Red Oak Wood add $1.60 extra each Door.
Important: All Glass in the above doors set in with wood stops.

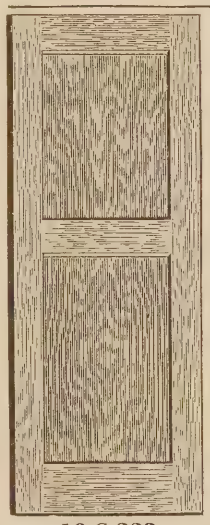


10-B-202



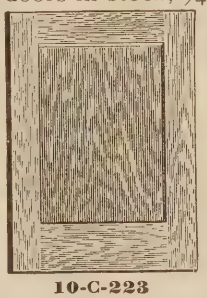
10-B-203

Top and Bottom Cupboard Doors



10-C-223

Our Cupboard Doors are of the neatest design and excellent workmanship. These doors are manufactured from the finest grade of seasoned lumber. With these doors it will be very easy to construct an excellent design of cabinet and the cost of the entire cabinet can thus be kept within a very low figure. The doors are made of Clear Pine with laminated Fir panels of beautiful grain. We carry these doors in stock, ¾ in. thickness only. Special sizes and thickness to order.



10-C-223

Prices on Cupboard Doors
10-C-223

—SIZES— Width Ft. in.	Height Ft. in.	¾ In. Thick Clear Yellow Pine
1-6 x	2-0	$1.17
1-6 x	2-6	1.50
1-6 x	3-0	1.62
1-6 x	4-0	2.07
1-8 x	2-6	1.58
1-8 x	4-0	2.22

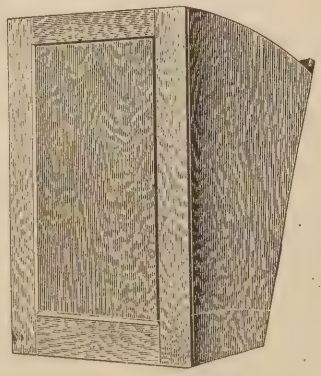
Shipping Weight 15 and 20 Pounds.

Make Your Own Cupboard

Items shown on this and other pages will enable the handy man to make his own cupboard at a big saving. Hardware and filling shown in hardware section of this book.

FLOUR BINS

Make Your Own Kitchen Cabinet



Just the thing to use for the construction of kitchen cabinet or pantry cupboard. It is a tilting flour bin made of selected wood, clear yellow pine face.

When ordered "Knock Down" all material is shipped, smoothed and ready to put together, but is shipped to you knocked down.

The bin is so arranged that it can be fastened at the bottom with small loose bin butts, giving it an excellent tilt arrangement and yet making it possible to take it out of the cabinet for cleaning and airing.

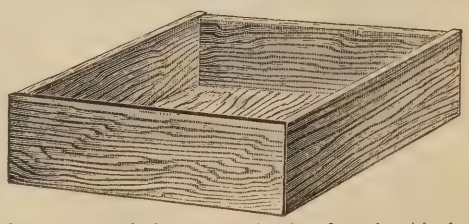
These bins are made 2 ft. 6 in. high, 1 ft. 6 in. wide, 9 in. at the bottom and 17 in. at the top.

No. 10-B-882. Price in the Knock Down, clear Yellow Pine.....**$6.48**

No. 10-B-883. Price Set Up, clear Yellow Pine.....**$7.28**

Shipping Weight 38 Pounds.

SEPARATE DRAWERS

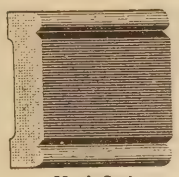


These drawers are made from seasoned, selected stock, with clear Yellow Pine lip face and soft wood body. They are well manufactured in every way. We furnish in the most desirable sizes, listed below, all drawers being made 18 inches deep.

Sizes Width	Height In.	Depth In.	10-B-879 Price, Each, K. D. Y.P.	10-B-879 Oak	10-B-880 Price, Each, Set Up Y.P.	10-B-880 Oak
1′ 5″	4¾	18	$1.45	$1.83	$1.80	$2.18
3′	6¾	18	2.22	2.51	2.65	2.86

Shipping Weight 16 Pounds.

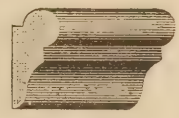
Chair Rail


Hook Strip

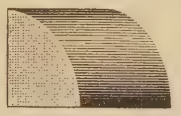
Round Edge Stops

O. G. Stops

Wainscote Cap


Picture Mould

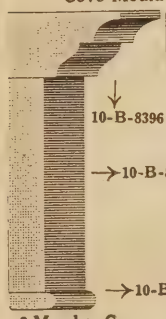
Cove Mould


Quarter Round

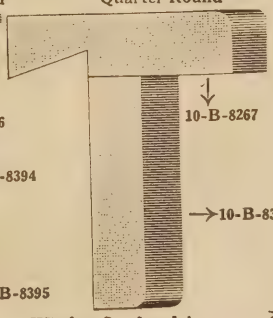
Yellow Pine—Fir—Oak and Birch

Interior Trim

Most popular designs of interior moulding for modern homes. Manufactured from finest selected clear woods run on low speed machines to produce an excellent smooth finish. Kept clean and bright because of our mammoth fast moving stocks. Sold in random lengths, 8 ft. to 16 ft. Your choice of Yellow Pine, Fir, Oak and Birch, presenting interior trim for every required finish suitable for oil, stain, paint or enamel.



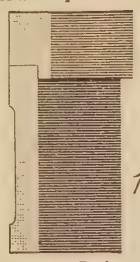
3 Member Cap



Window Stool and Apron

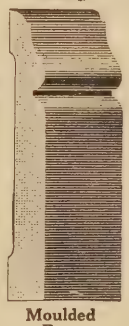
Ovalo Casing

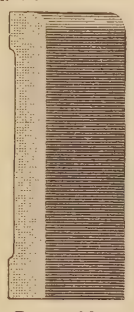
O. G. Casing

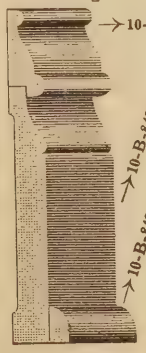


Mission Casing and Back Band

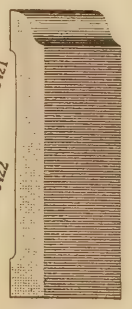
Round Edge Casing

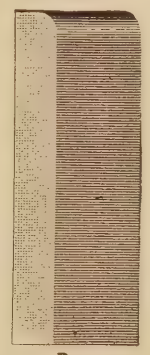

Moulded Base


Round Edge Base



3 Member Base


O. G. Base


Base Blocks

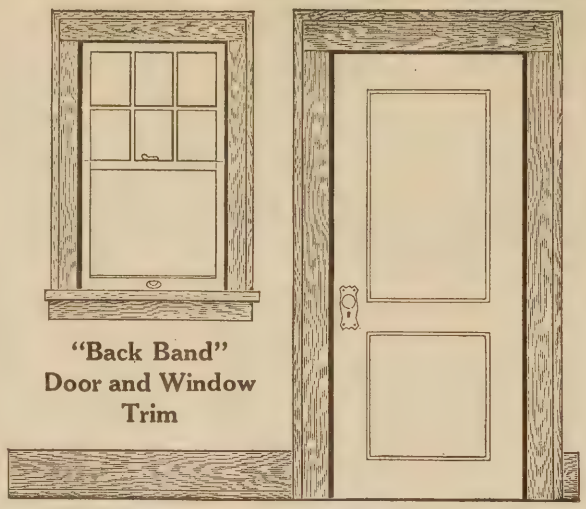
Add 10% to These Prices for Specified Lengths

Order by this No.	Name of Moulding	Size	Prices per 100 lineal feet				Weight per 100 Line. Feet
			Yellow Pine	Fir	Oak	Birch	
10-B-8496	Chair Rail	⅝x3⅝	$3.60	$3.78	$7.50	$7.88	80 lbs.
10-B-8234	Hook Strip	⅝x2½	2.70	3.00	.....	.....	50 lbs.
10-B-8541	Round Edge Stop	½x1⅜	1.47	1.55	2.48	2.61	20 lbs.
10-B-8542	Round Edge Stop	½x1⅝	1.95	2.05	3.30	3.47	25 lbs.
10-B-8083	O. G. Stop	⅜x1⅛	0.98	0.98	1.65	1.74	20 lbs.
10-B-8084	O. G. Stop	⅜x1⅜	1.08	1.14	1.82	1.91	25 lbs.
10-B-8085	O. G. Stop	⅜x1⅝	1.37	1.43	2.31	2.43	25 lbs.
10-B-8096	O. G. Stop	½x1⅜	1.47	1.54	2.49	2.61	25 lbs.
10-B-8095	O. G. Stop	½x1⅝	1.95	2.05	3.30	3.47	25 lbs.
10-B-8093	O. G. Stop	½x2¼	2.45	2.58	4.13	4.34	30 lbs.
10-B-8228	Wainscote Cap	¾x2	2.70	2.84	5.63	5.91	40 lbs.
10-B-8264	Picture Mould	¾x1¾	1.95	2.05	3.50	3.67	35 lbs.
10-B-8396	Cap Mould	1⅛x2¼	4.68	4.92	8.75	9.19	80 lbs.
10-B-8394	Head Casing	¾x4½	4.50	4.75	9.40	9.88	90 lbs.
10-B-8395	Fillet	⅞x1	1.08	1.13	1.82	1.91	15 lbs.
10-B-8267	Window Stool	1⅛x3⅝	7.45	7.82	10.95	11.60	100 lbs.
10-B-8379	Window Apron	¾x3⅝	3.60	3.78	7.50	7.90	80 lbs.
10-B-8341	Ovalo Casing	¾x4¼	4.50	4.73	9.40	9.87	85 lbs.
10-B-8342	Ovalo Casing	¾x4¾	4.75	4.98	9.65	10.15	100 lbs.
10-B-8384	O. G. Casing	¾x4¼	4.50	4.73	9.40	9.87	85 lbs.
10-B-8385	O. G. Casing	¾x5¼	5.40	5.67	11.25	11.83	105 lbs.
10-B-1000	Mission Casing	¾x3½	3.60	3.78	7.50	7.90	80 lbs.
10-B-1001	Mission Casing	¾x4¼	4.50	4.73	9.40	9.87	85 lbs.
10-B-1002	Back Band	1⅛x1⅛	2.70	2.85	3.75	3.95	35 lbs.
10-B-8308	Round Edge Casing	¾x3⅝	3.60	3.78	7.50	7.90	80 lbs.
10-B-8309	Round Edge Casing	¾x4¼	4.50	4.73	9.40	9.90	85 lbs.
10-B-8310	Round Edge Casing	¾x4¾	4.75	4.99	9.65	10.15	95 lbs.
10-B-8311½	Round Edge Casing	¾x5¾	5.40	5.68	11.25	11.85	95 lbs.
10-B-8426	Moulded Base	¾x7¼	7.20	7.56	15.00	15.75	140 lbs.
10-B-1003	Round Edge Base	¾x7¼	7.20	7.56	15.00	15.75	140 lbs.
10-B-8420	Base Mould	¾x2¼	3.00	3.15	5.63	5.95	40 lbs.
10-B-8421	Moulded Base	¾x7¼	7.20	7.56	15.00	15.75	140 lbs.
10-B-8421½	Moulded Base	¾x5¼	5.40	5.67	11.25	11.85	105 lbs.
10-B-8422	Base Shoe	½x ¾	0.98	0.98	1.65	1.80	15 lbs.
10-B-8385	O. G Base	¾x5¼	5.40	5.67	11.25	11.85	105 lbs.
10-B-8386	O. G. Base	¾x7¼	7.20	7.56	15.00	15.75	140 lbs.
10-B-8060	Cove Mould	¾x ¾	0.98	0.98	1.65	1.80	15 lbs.
10-B-8065	Quarter Round	¾x ¾	0.98	0.98	1.65	1.80	15 lbs.

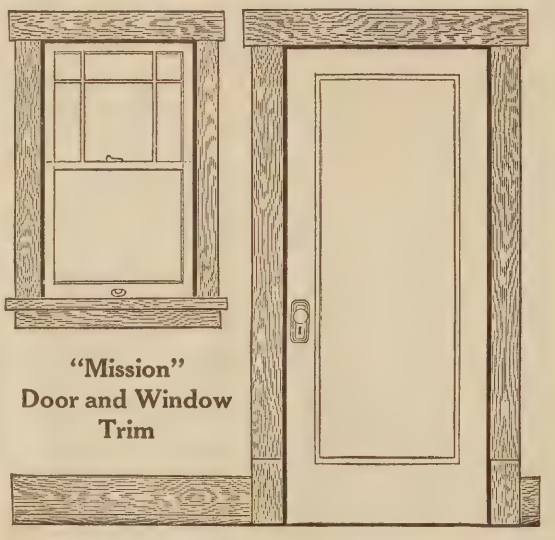
Order by this No.	Name	Size	Price, Each				Weight Each
			Yellow Pine	Fir	Oak	Birch	
10-B-144	Base Blocks	1⅛x4½ x10	$0.14	$0.16	$0.23	$0.26	2 lbs.

Special Designs Made to Order. Write for Prices!

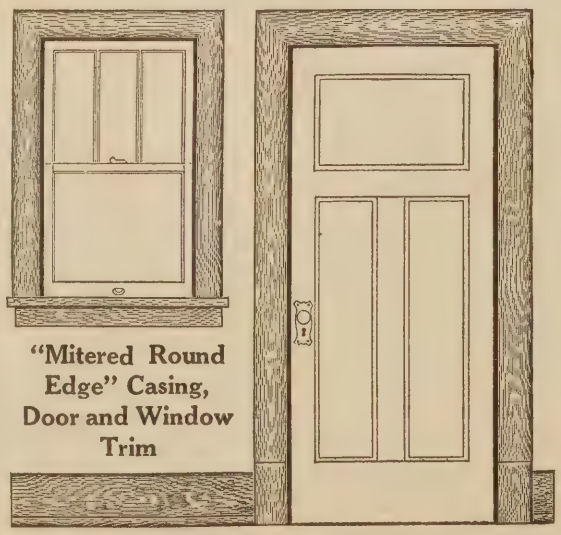
No Waste Window and Door Trim



"Back Band" Door and Window Trim



"Mission" Door and Window Trim



"Mitered Round Edge" Casing, Door and Window Trim

Made of finest selected mouldings clear and smooth. No waste when you order inside trim from these pages and no chance of mistakes. Saves much time and expense. Cut to lengths with liberal allowance for fitting on the job. Do not overlook to order **two sets** of trim for inside doors, one for each side and one set for outside doors and windows. Carefully cut and bundled.

If the size you require is not listed, allow price of next larger size.

PRICES

BACK BAND DOOR TRIM

The Back Band Trim shown is one of the styles of handsome trim used in our Harris Homes—easy for the carpenter to apply and easy for the housewife to keep clean.

Any size door opening up to and including:	Each set consists of ¾x3½ in. Casing No. 1000, 1⅛x1⅛ Back Band No. 1002 and O. G. Stops.			
Width Ft. In. x Height Ft. In.	**10-B-1007** Yel. Pine	**10-B-1008** Clear Fir	**10-B-1009** Red Oak	**10-B-1010** Birch
2-8 x 6-8	$1.54	$1.62	$2.73	$2.87
3-0 x 7-0	1.59	1.67	2.79	2.93
5-0 x 7-0	1.69	1.77	3.00	3.15
8-0 x 8-0	2.09	2.19	3.35	3.52
9-0 x 9-0	2.54	2.67	3.72	3.90

BACK BAND WINDOW TRIM

Any size window opening up to and including	Each set consists of ¾x3½ in. Casing No. 1000, 1⅛x1⅛ Back Band No. 1002, Stool No. 8267, Apron No. 8379 and O. G. Stops.			
Width Ft. In. x Height Ft. In.	**10-B-1013** Yel. Pine	**10-B-1014** Clear Fir	**10-B-1015** Red Oak	**10-B-1016** Birch
2- 4⅛ x 3-10	$1.61	$1.69	$2.79	$2.93
2- 6⅛ x 4- 6	1.63	1.71	2.86	3.00
2- 8⅛ x 5- 2	1.77	1.86	3.11	3.27
2-10⅛ x 5- 6	1.80	1.89	3.16	3.32
3- 8⅛ x 6- 2	2.12	2.23	3.72	3.91

MISSION DOOR TRIM

To those who fancy a plain trim, we recommend our Mission Style. When used with our Seattle or Olympia Door, it is considered a harmonizing design.

Any size door opening up to and including	Each set consists of ¾x3½ in. Casing No. 1000, ⅞x4¼ Head Casing, No. 144 Base Blocks and O. G. Stops.			
Width Ft. In. x Height Ft. In.	**10-B-1908** Yel. Pine	**10-B-1909** Clear Fir	**10-B-1910** Red Oak	**10-B-1911** Birch
2-8 x 6-8	$1.12	$1.18	$2.53	$2.65
3-0 x 7-0	1.19	1.25	2.60	2.73
5-0 x 7-0	1.28	1.35	2.79	2.93
8-0 x 8-0	1.67	1.76	3.33	3.50
9-0 x 9-0	1.74	1.82	3.69	3.87

MISSION WINDOW TRIM

Any size window opening up to and including	Each set consists of ¾x3½ in. Casing No. 1000, ⅞x4¼ Head Casing, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
Width Ft. In. x Height Ft. In.	**10-B-1912** Yel. Pine	**10-B-1913** Clear Fir	**10-B-1914** Red Oak	**10-B-1915** Birch
2- 4⅛ x 3-10	$1.15	$1.21	$2.10	$2.21
2- 6⅛ x 4- 6	1.26	1.33	2.28	2.39
2- 8⅛ x 5- 2	1.28	1.35	2.50	2.62
2-10⅛ x 5- 6	1.37	1.44	2.78	2.92
3- 8⅛ x 6- 2	1.56	1.64	2.97	3.12

ROUND EDGE MITERED DOOR TRIM

Our Mitered Round Edge Trim, like our Back Band Trim, is of the sanitary style and when properly finished or stained, it makes a very beautiful interior trim.

Any size door opening up to and including	Each set consists of ¾x4¼ Round Edge Casing No. 8309, No. 144 Base Blocks and O. G. Stops.			
Width Ft. In. x Height Ft. In.	**10-B-2033** Yel. Pine	**10-B-2034** Clear Fir	**10-B-2035** Red Oak	**10-B-2036** Birch
2-8 x 6-8	$1.20	$1.26	$2.38	$2.50
3-0 x 7-0	1.27	1.33	2.49	2.61
5-0 x 7-0	1.36	1.43	2.76	2.90
8-0 x 8-0	1.81	1.90	3.21	3.37
9-0 x 9-0	1.89	1.99	3.60	3.78

ROUND EDGE MITERED WINDOW TRIM

Any size window opening up to and including	Each set consists of ¾x4¼ Round Edge Casing No. 8309, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
Width Ft. In. x Height Ft. In.	**10-B-2042** Yel. Pine	**10-B-2043** Clear Fir	**10-B-2044** Red Oak	**10-B-2045** Birch
2- 4⅛ x 3-10	$1.23	$1.35	$2.28	$2.39
2- 6⅛ x 4- 6	1.33	1.40	2.35	2.47
2- 8⅛ x 5- 2	1.45	1.53	2.70	2.84
2-10⅛ x 5- 6	1.45	1.53	3.04	3.19
3- 8⅛ x 6- 2	1.76	1.83	3.14	3.30

Yellow Pine, Fir, Oak and Birch

Cut to lengths with liberal allowance for fitting on the job. Don't forget to order two sets of trim for inside doors, one for each side and one set for outside doors and windows. Carefully cut and bundled.

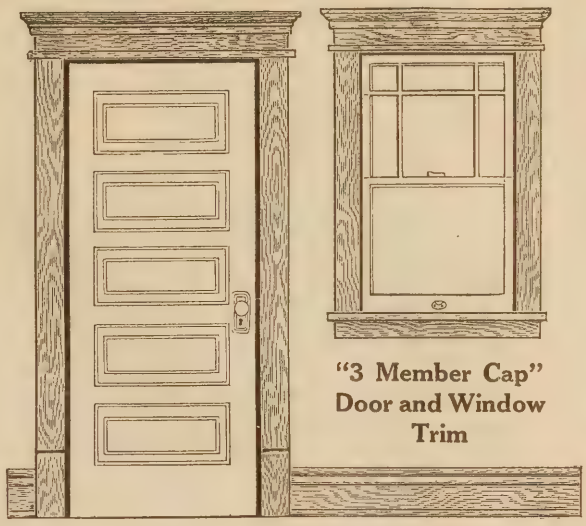
If the size you require is not listed, allow price of next larger size.

PRICES

THREE MEMBER CAP DOOR TRIM

Our Three Member Cap Trim illustrated is a standard style used in many homes today. It is always impressive, regardless of what style door it is used with.

Any size door opening up to and including	Each set consists of ¾x4¼ inch Casing No. 8309. Three Member Cap, No. 144 Base Blocks and O. G. Stops.			
Width Height ft. in. ft. in.	**10-B-914** Yellow Pine	**10-B-925** Clear Fir	**10-B-916** Red Oak	**10-B-917** Birch
2- 8x6- 8	$1.47	$1.54	$2.85	$2.99
3- 0x7- 0	1.65	1.73	3.17	3.33
5- 0x7- 0	1.88	1.97	3.64	3.82
8- 0x8- 0	2.23	2.34	4.25	4.46
9- 0x9- 0	2.44	2.56	4.68	4.91



"3 Member Cap" Door and Window Trim

THREE MEMBER CAP WINDOW TRIM

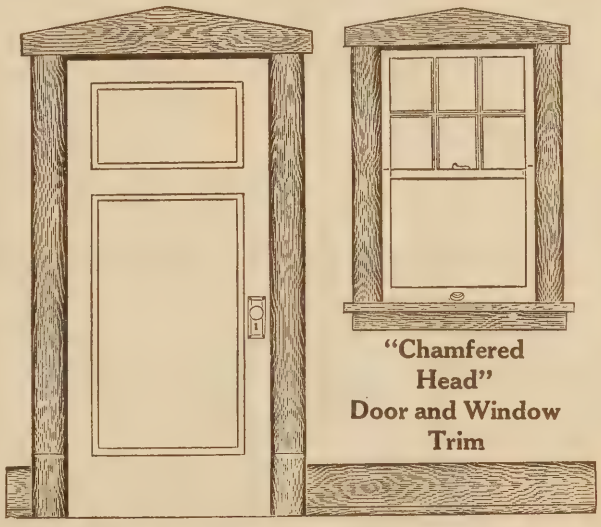
Any size window opening up to and including.	Each set consists of ¾x4¼ inch Casing No. 8309. Three Member Cap, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
Width Height ft. in. ft. in.	**10-B-988** Yellow Pine	**10-B-982** Clear Fir	**10-B-990** Red Oak	**10-B-991** Birch
2- 4⅛x3-10	$1.45	$1.52	$2.72	$2.86
2- 6⅛x4- 6	1.57	1.65	2.97	3.12
2- 8⅛x5- 2	1.69	1.77	3.20	3.36
2-10⅛x5- 6	1.78	1.86	3.30	3.47
3- 8⅛x6- 2	2.05	2.15	3.67	3.85

If the caps are wanted nailed together ready to nail in place, add 40c to the above price.

CHAMFERED HEAD DOOR TRIM

It is hard to choose a more attractive design than our Chamfered Head Interior Trim. We recommend this trim for high grade homes.

Any size door opening up to and including	Each set consists of ¾x3½ inch Square Edge Casing No. 1000, ⅞x5½ Chamfered Head, No. 144 Base Blocks and O. G. Stops.			
Width Height ft. in. ft. in.	**10-B-2234** Yellow Pine	**10-B-2235** Clear Fir	**10-B-2236** Red Oak	**10-B-2237** Birch
2- 8x6- 8	$1.37	$1.43	$2.41	$2.53
3- 0x7- 0	1.44	1.51	2.57	2.70
5- 0x7- 0	1.56	1.64	2.86	3.00
8- 0x8- 0	1.75	1.84	3.15	3.31
9- 0x9- 0	1.90	2.00	3.42	3.59



"Chamfered Head" Door and Window Trim

CHAMFERED HEAD WINDOW TRIM

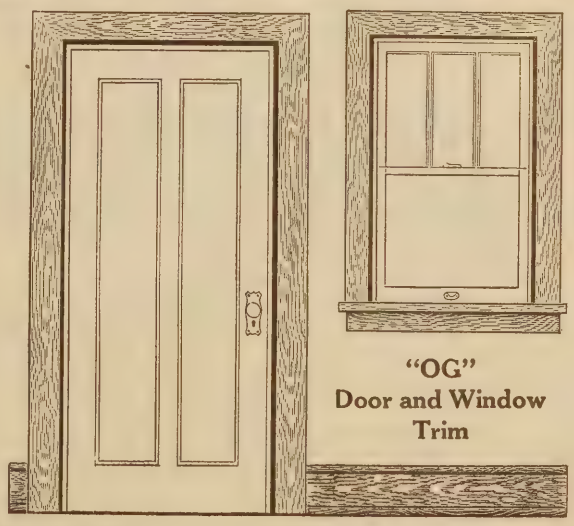
Any size window opening up to and including	Each set consists of ¾x3½ inch Square Edge Casing No. 1000, ⅞x5½ Chamfered Head, No. 8267 Stool, No. 8379 Apron and O. G. Stops.			
Width Height ft. in. ft. in.	**10-B-3940** Yellow Pine	**10-B-3941** Clear Fir	**10-B-3942** Red Oak	**10-B-3943** Birch
2- 4⅛ x3-10	$1.37	$1.44	$2.37	$2.49
2- 6⅛x4- 6	1.46	1.53	2.55	2.68
2- 8⅛x5- 2	1.56	1.64	2.76	2.90
2-10⅛x5- 6	1.63	1.71	2.83	2.97
3- 8⅛x6- 2	1.85	1.94	3.32	3.49

O. G. CASING DOOR TRIM

O. G. WINDOW TRIM

Our O. G. Trim is a simple design used most where economy and practicability is the watchword. When carefully fitted and finished, makes a handsome trim.

Any size door opening up to and including	Each set consists of ¾x4¼ inch O. G. Casing No. No. 8384, ⅝x1⅝ inch O. G. Stops.	Any size window opening up to and including	Each set consists of ¾x4¼ inch O. G. Casing No. 8384, No. 8267 Stool, No. 8379 Apron and O. G. Stops.
Width Height ft. in. ft. in.	**10-B-975** Yellow Pine	Width Height ft. in. ft. in.	**10-B-977** Yellow Pine
2- 8x6- 8	$1.02	2- 4⅛x3-10	$1.28
3- 0x7- 0	1.14	2- 6⅛x4- 6	1.33
5- 0x7- 0	1.25	2- 8⅛x5- 2	1.45
8- 0x8- 0	1.34	2-10⅛x5- 6	1.45
9- 0x9- 0	1.49	3- 8⅛x6- 2	1.76



"OG" Door and Window Trim

Attractive Bookcase Colonnades

Made of Clear Beautifully Grained Lumber

This splendid colonnade will harmonize with practically any style of interior trim. It will add a touch of dignity to your home and in addition serve as a convenient bookcase or china closet.

SPECIFICATIONS: Suitable for openings from 6 feet to 12 feet wide and up to 8 feet high. Columns are 6 inches square and tapered. Pedestals are 2 feet wide by 4 feet 2 inches high. Inside depth 8 inches. Reverse side and inside ends neatly paneled.

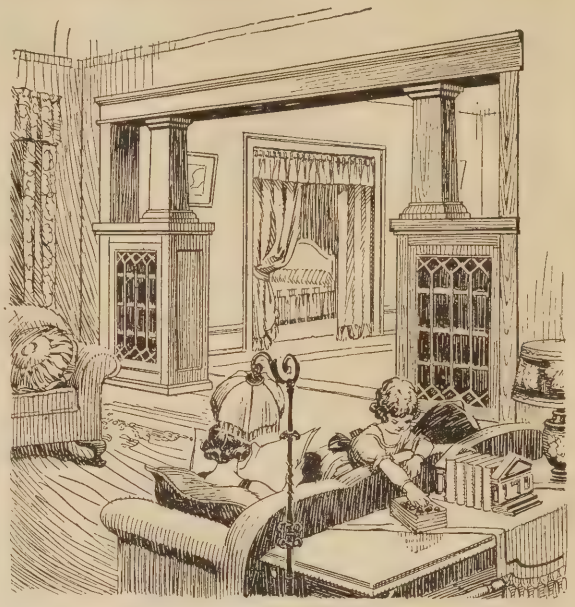
DOORS are glazed with clear glass and set in best glazier's metal.

Furnished in white (not stained or varnished). Casing, cap, trim, jambs and hardware not included.

10-B-1927. Clear Yellow Pine **$47.50**
10-B-1928. Clear Red Oak **52.60**

Shipping weight about 250 pounds.

Hardware for above **$1.60** additional, either Lemon Brass or Antique Copper Finish.



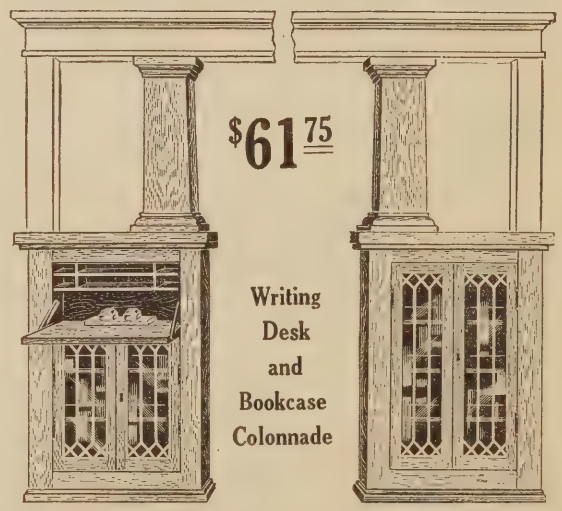
The finished appearance of the rooms in this picture is gained by the well placed colonnade. Built-in conveniences such as this are as permanent and lasting as the home itself.

For 2 sides of Trim, one set of Jambs, 5¼" wide as shown. Any size.
10-B-1927-T. Clear Yellow Pine, add ..... **$ 6.80**
10-B-1928-T. Clear Red Oak, add **12.60**

Bookcase Colonnade With Writing Desk

The Bookcase Colonnade does more than beautify this interior in adding a practical convenience in the writing desk, which is out of the way when not in use.

For 2 sides of Trim, one set of Jambs, 5¼" wide as shown. Any size.
10-B-1925-T. Clear Yellow Pine, add ..... **$ 6.80**
10-B-1926-T. Clear Red Oak, add **12.60**



Convenient colonnade with two large roomy bookcases and in it a spacious writing desk. Will make your room much more attractive.

SPECIFICATIONS: Pedestals are 2 feet 6 inches wide by 4 feet 2 inches high. Inside depth in the clear is 10 inches. Reverse side of pedestals is neatly paneled, inside ends also paneled. Made for opening up to 8 ft. high, 6 to 12 ft. wide.

COLUMNS are 7 inches square 3 feet 10 inches long, and taper.

DOORS glazed clear glass, set in best glazier's metal.

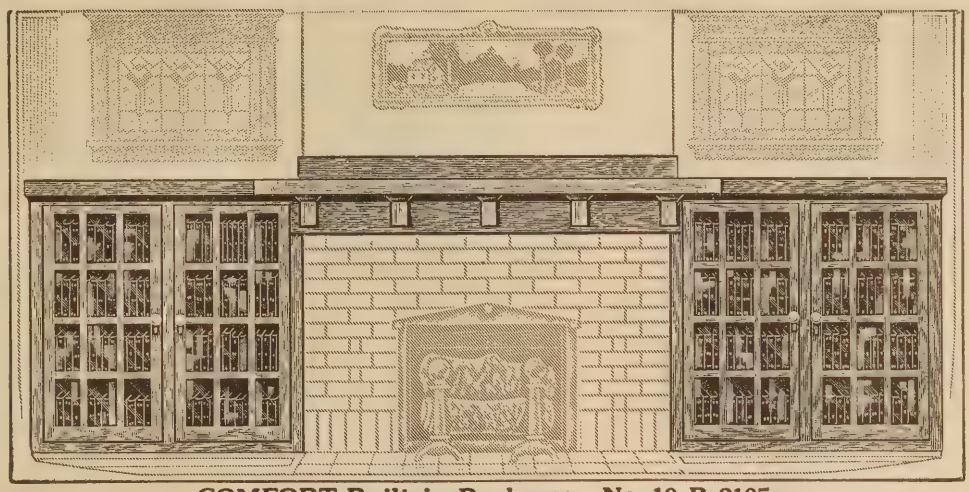
Is furnished in the White (not stained or varnished). Casing, cap trim, jambs and hardware not included.

10-B-1925. Clear Yellow Pine **$61.70**
10-B-1926. Clear Red Oak **67.55**

Shipping weight, about 250 pounds

Hardware for above **$2.70** additional, either Lemon Brass or Antique Copper Finish.

Built-in Bookcase and Mantel Shelf



COMFORT Built-in Bookcase. No. 10-B-2105.

The Bookcases are built-in and out of the way; the long mantel shelf stretches across the room, forming an appropriate place on which to set photographs, vases, etc.

The Doors in the Bookcases are divided with wood bars and glazed with clear double strength glass. The inside depth of the bookcases is 10 inches, while the height is 54 inches. The width of each bookcase depends upon the size of the room and the width of your fireplace, ordinarily being about 36 inches to 42 inches for an average sized room.

The face of Mantel Shelf is 2¾ inches thick and projects over the bookcases and mantel with neat brackets underneath as shown. The bookcases are equipped with adjustable shelves.

NOTE: These Prices are for the woodwork only as illustrated and do not cover tile, brickwork, hardware or finishing material.

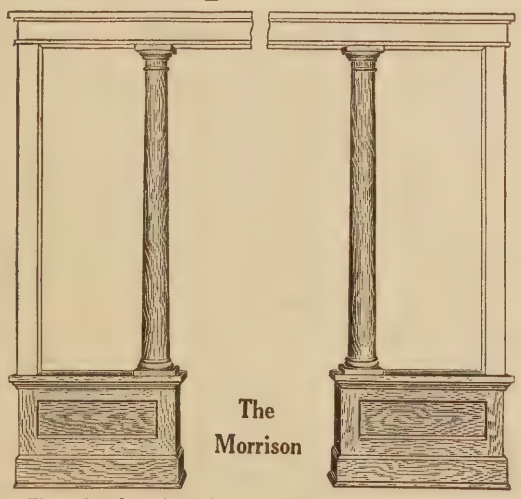
SIZES AND PRICES

Price Consisting of two Bookcases and one Mantel Shelf, as shown in illustration.

COMFORT **No. 10-B-2105** 2 Bookcases and Mantel Shelf for Room	Price, made of Clear Yellow Pine, Glazed Clear Double Strength Glass	Price, made of Red Oak or Unselected Birch, Glazed Clear Double Strength Glass
10 Feet Wide	**$77.10**	**$87.00**
12 Feet Wide	**78.70**	**88.50**
14 Feet Wide	**80.55**	**89.85**
16 Feet Wide	**82.20**	**91.40**

NOTE: When ordering give width of entire room, width, depth and height of fireplace. A rough pencil sketch is recommended.

Impressive Colonnades of Quality

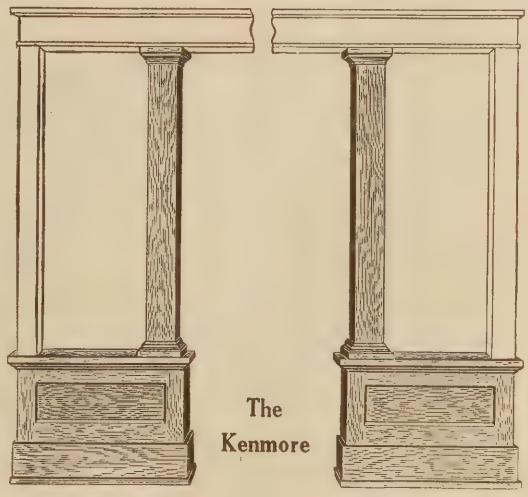


The Morrison

For openings 7 feet wide and wider. Made of select clear, kiln dried oak, yellow pine, or birch. Come to you in the white (not stained or varnished).

Prices do not include baseboard casing or cap trim.

This should match the trim in your house.



The Kenmore

The pedestals project 2 feet from the jamb, they are 2 feet high and about 11½ inches on face, made to fit over a 5½ inch jamb. The columns are 6 inches in diameter and have a plain turned wood cap and base. The base board shown in illustration around the pedestal is not included. It should match balance of base in room.

No. 10-B-1249. MORRISON Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Clear Yellow Pine.
Price..... **$24.90**

No. 10-B-1252. MORRISON Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Oak or Birch.
Price..... **$30.45**

For two sides of trim, one set of jambs 5¼ inches wide, baseboard and shoe to complete opening any size.

Clear Yellow Pine, add..... **$ 6.80**
Clear Red Oak, add..... **12.60**

Shipping weight approximately 200 pounds.

Will add big improvement to any home. The pedestals project 2 feet from the jamb; they are 2 feet high and about 11½ inches on face, made to fit over a 5½ inch jamb. The columns are 6 inches square and have a plain wood cap and base. The regular room base should be used around the pedestals as shown in illustration and is not included. It should match balance of base in room

No. 10-B-1293. KENMORE Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Clear Yellow Pine.
Price..... **$26.30**

No. 10-B-1294. KENMORE Colonnade, 9 feet wide by 9 feet high or smaller, furnished in Oak or Birch.
Price..... **$32.45**

For two sides of trim, one set of jambs 5¼ inches wide, baseboard and shoe to complete opening any size.

Clear Yellow Pine, add..... **$ 6.80**
Clear Red Oak, add..... **12.60**

Shipping weight approximately 200 pounds.

Splendid Buffets Priced Very Low

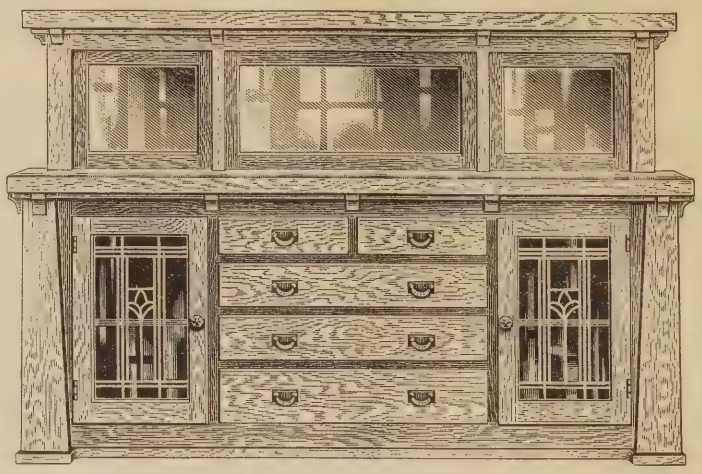
THE ASTORIA BUFFET

Our Astoria is very attractive, Colonial design with plenty of drawer room and two neat cupboard spaces for china and glassware.

Specifications: Best quality clear kiln dried lumber carefully selected for beauty of grain and finish. The width, 6 feet and 7 feet, specified below, is the measurement overall, while the depth is 18 inches from front to the back. The height is 3 feet and 6 inches from floor to top of countershelf and the extreme height overall is 5 feet and 2 inches.

Size offered below is usually carried in stock; any special size made to order.

Best cabinet work, carefully joined, glued with waterproof glue. Carefully sanded and shipped in the white ready for the varnish.



THE ASTORIA BUFFET

Intermediate sizes take price of next larger size. These prices are for leaded crystal glass doors and plain plate mirrors. Bevel plate mirror, add $4.50.

PRICES:

Catalog No.	Width	Height, Overall	Depth	Wood	Price
10-C-2120	6 ft.	5 ft. 2 ins.	18 ins.	Yellow Pine	**$88.50**
10-C-2121	6 ft.	5 ft. 2 ins.	18 ins.	Oak or Birch	**95.60**
10-C-2122	7 ft.	5 ft. 2 ins.	18 ins.	Yellow Pine	**90.20**
10-C-2123	7 ft.	5 ft. 2 ins.	18 ins.	Oak or Birch	**95.45**

THE WALDEN BUFFET

Intermediate sizes take price of next larger size. These prices are for leaded crystal glass doors and bevel plate mirror.

THE WALDEN BUFFET

Our Walden is one of the most popular designs ever offered. Built along simple yet very attractive lines, particular attention being paid to proper and convenient arrangement of doors and drawers. These new Craftsman Buffets are made to set out of the wall, the ends being nicely finished and the back is closed. Like all our cabinet work, the material used in this buffet is carefully selected from thoroughly kiln dried clear lumber.

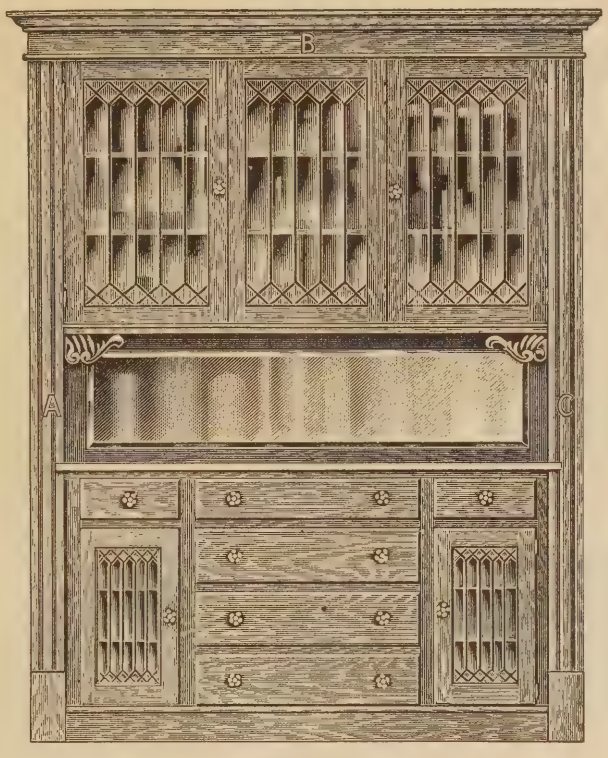
Specifications: The width, 6 feet and 7 feet, specified below, is the measurement overall, while the depth is 16 inches from front to the back. The height is 3 feet and 6 inches from floor to top of countershelf and the extreme height overall is 5 feet and 2 inches.

All buffets are shipped set up complete as shown, ready to set in place, no hardware or finishing included. Hardware can be selected from this catalog to match your other hardware.

PRICES:

Catalog No.	Width	Height Overall	Depth	Wood	Price
10-C-1375	6 ft.	5 ft. 2 ins.	16 ins.	Yellow Pine	**$85.50**
10-C-1376	6 ft.	5 ft. 2 ins.	16 ins.	Oak or Birch	**93.00**
10-C-1377	7 ft.	5 ft. 2 ins.	16 ins.	Yellow Pine	**87.90**
10-C-1378	7 ft.	5 ft. 2 ins.	16 ins.	Oak or Birch	**95.40**

Dining Room and Kitchen Cabinets



WHEATON
Dining Room Cabinet

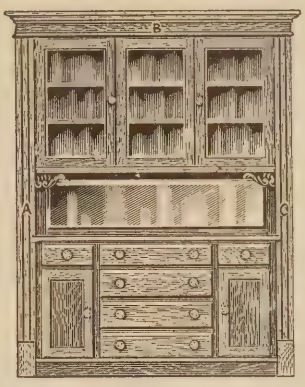
Made to set in recess so the front comes even with the wall. Opening in wall, width 5 feet, height 7 feet, depth 14 inches. Doors are fitted and glazed leaded as shown. Bevel plate mirror 54 inches by 12 inches. Casing, head trim (A, B, C) and hardware not included. Trim should match trim in room where cabinet is installed. Hardware priced separate. Furnished in the white, without filler or varnish. Shipping weight about 250 pounds. Carefully crated.

No. 10-C-805—China Closet, Clear Yellow Pine....**$77.00**
No. 10-C-806—China Closet, Clear Pl. Red Oak.... **87.50**
No. 10-C-807—Hardware, glass knobs—brass finish **4.90**

VILLA
Kitchen Cabinet

The kitchen china-closet shown is excellently built from the finest select lumber, which is dried. All stiles of doors are tongued and grooved for durability. Panels are three ply figured veneer. All doors and drawers are carefully fitted. Glass is clear and of double strength. Back is closed with beaded ceiling. Adjustable shelves in upper section and in lower cupboard. Made to set in recess opening in wall, 4 feet wide, 7 feet high and 14 inches deep. Made in two sections, upper and lower. Comes all complete in white, without filler or stain, ready for finisher. Available in yellow pine only. Hardware is priced separate. Trim (A, B, C) not included. Trim should match trim in room where cabinet is installed. Carefully crated. Shipping weight about 125 pounds.

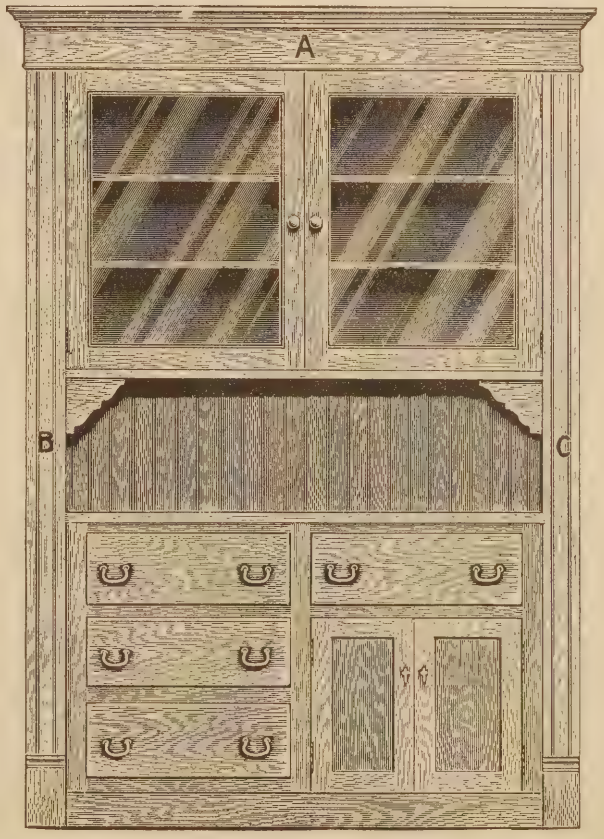
No. 10-C-809—"Villa" Clear Yellow Pine..... **$39.00**
Brass finish hardware..... **2.75**



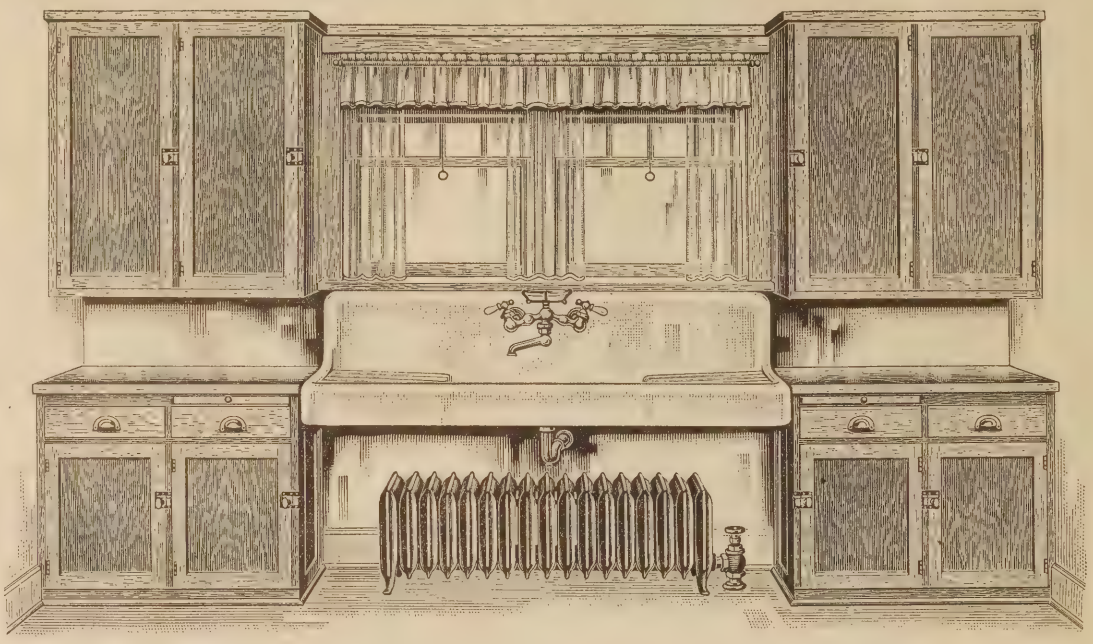
ELMHURST
Kitchen Cabinet

This is the same as our "Wheaton" in size and layout, except that the glass doors in the top are of plain glass instead of leaded, and the bottom doors are wood panel doors. First-class clear yellow pine lumber, best workmanship throughout. Mirror is bevel plate, 54"x12". Casing head trim (A, B, C) and hardware not included. Trim should match trim in room where cabinet is installed.

No. 10-C-808—"Elmhurst" clear yellow pine, size 5 feet wide by 7 feet high. Depth 14 inches, to set in recess. Price.....**$67.50**
Hardware for same, lemon brass finish with glass knobs.....**$4.90**



Modern Built-In Conveniences



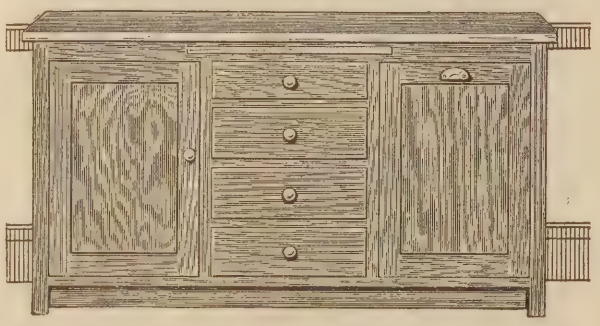
Ingenious Unit Cabinets Present Many Splendid Combinations!

Unlimited possibilities are provided with our improved sectional wall and table unit kitchen cabinets. The combination above is obtained by using two wall units and two table or base units. Made of carefully selected clear yellow pine. Furnished in the Natural wood (not finished). Hardware not included.

10-B-638. Wall Units—36 inches wide, 12 inches deep, 42 inches high with 3 shelves. Clear Yellow Pine. Each..... **$13.50**

10-B-640. Table or Base Units—36 inches wide, 20 inches deep and 30 inches high with chopping board, 2 drawers and roomy pot cupboards with shelves. Clear Yellow Pine. Each..... **$15.00**

Modern Kitchen Table



Usefulness and beauty are the requirements for Kitchen Furniture. This Kitchen Table is useful and will save the housewife many trips to the pantry. Is made to order in Yellow Pine or Oak, 4 ft. 6 ins. wide, 2 ft. 10 ins. high and 20 ins. deep. Four convenient drawers, roomy utensil cupboard, large capacity tilting flour bin and chopping board. No hardware or finishing included.

No. 10-B-912. Yellow Pine. Price..... **$23.10**

No. 10-B-913. Oak or Birch. Price..... **28.05**

Shipping weight, 180 pounds.

Drawer Pantry Case

This Drawer Case can be used in pantries, closets, etc. It is made with three large drawers as shown, made of Clear, Yellow Pine and Oak, not painted or varnished, but smoothed, ready for any finish to match your woodwork. This case measures 3 feet wide, 2 feet 10 inches high and 1 foot 4 inches deep. The sides and back are not sealed.

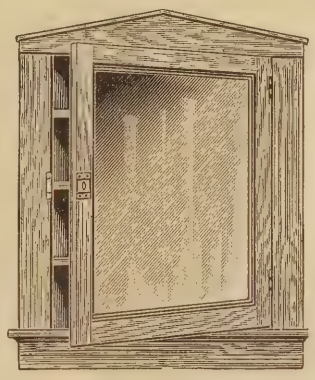
No. 10-B-908. Clear, Yellow Pine..... **$ 9.00**

No. 10-B-909. Clear, Red Oak..... **10.90**

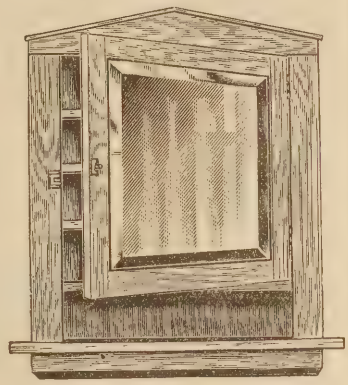
Shipping weight, 90 pounds.

Latest Designs--Splendidly Arranged

Medicine Cases—Ironing Boards—Linen Cabinets



All of the built-in conveniences shown in this book are made of selected clear stock by expert craftsmen and modern machinery. Latest approved construction with close fitting joints, securely put together to stand the test of time. All mirrors used are the finest quality, plain or bevel plate as specified on the description of each individual item. All cabinet work is delivered to you unfinished or in the white, permitting you to stain or finish according to the interior color scheme of your home. All exposed surfaces are carefully smoothed and sanded, ready for finishing.



$8.90

Peak Head Style Medicine Case

SPECIFICATIONS: Size of door 1 foot 6 inches wide by 1 foot 10 inches high. Depth of case in wall 4½ inches, opening in wall 1 foot 8 inches wide by 2 feet high. Size of mirror 14 inches by 18 inches. Adjustable wooden shelves, furnished with casing, head trim, etc., as shown in illustration. No hardware included.

No. 10-C-851. Yellow Pine, Glazed with plain Plate Mirror. Price **$8.90**

No. 10-C-852. Yellow Pine, Glazed with Bevel Plate Mirror. Price **$9.60**

No. 10-C-853. Oak or Birch, Glazed with Plain Plate Mirror. Price **$9.80**

No. 10-C-854. Oak or Birch, Glazed with Bevel Plate Mirror. Price **$10.45**

Shipping weight, 60 pounds.

$9.90

Medicine Case With Open Shelf

SPECIFICATIONS: Size of door 1 foot 6 inches wide by 1 foot 10 inches high. Openings in wall, 1 foot 8 inches wide by 2 feet 6 inches high. Depth of case in wall, 4½ inches. Adjustable wooden shelves, furnished with casing, head trim, etc., as shown in illustration. No hardware or finishing included.

No. 10-C-889. Yellow Pine, Glazed with Plain Plate Mirror. Price **$9.90**

No. 10-C-890. Yellow Pine, Glazed with Beveled Plate Mirror. Price **$10.80**

No. 10-C-892. Oak or Birch, Glazed with Plain Plate Mirror. Price **$10.75**

No. 10-C-893. Oak or Birch, Glazed with Bevel Plate Mirror. Price **$11.65**

Shipping weight, 70 pounds.

Built-in Ironing Board

$16.75

10-B-680. A full size built-in ironing board, universally recognized as a necessity in all modern homes. Always ready, space, time and labor. Usually installed with socket for electric iron. Complete still it is out of the way, saving work, as shown, including hardware. Made for wall opening 11 inches wide, 82 inches high, 4 inches overall deep. (Fits between studs set on 16 inch centers.) Made of white pine. Price does not include casing. (This should be ordered to match trim in your room.) Weight, complete, 80 pounds. Price **$16.75**

"ECONOMY"

Built-in Linen Case

Open View of Built-in Linen Closet

$19.95

Roomy Drawers and Large Storage Space

Economy Built-In Linen Cabinet. This cabinet is designed for houses where drawer space and shelf space is limited and is so designed to give ample space for your every-day linens. Made to fit in wall space 3′ 1″ wide, 6′ 11″ high, 1′ 5″ deep, furnished in semi knock down form.

The drawer case comes in one section, the top section comes to you as two doors, three shelves and sufficient shelf cleat as well as sufficient trim to finish face of cabinet. Walls in your house to form the back and side walls of cabinet.

No. 10-C-2655. Clear Yellow Pine only, no hardware included. **Price.....$19.95**

"POMONA" BREAKFAST NOOK

Modern breakfast nooks on this page are intended for use in both new as well as old buildings. No new building is complete without this latest early morning convenience. For those who are just remodeling their home our suggestion is that a breakfast alcove be included.

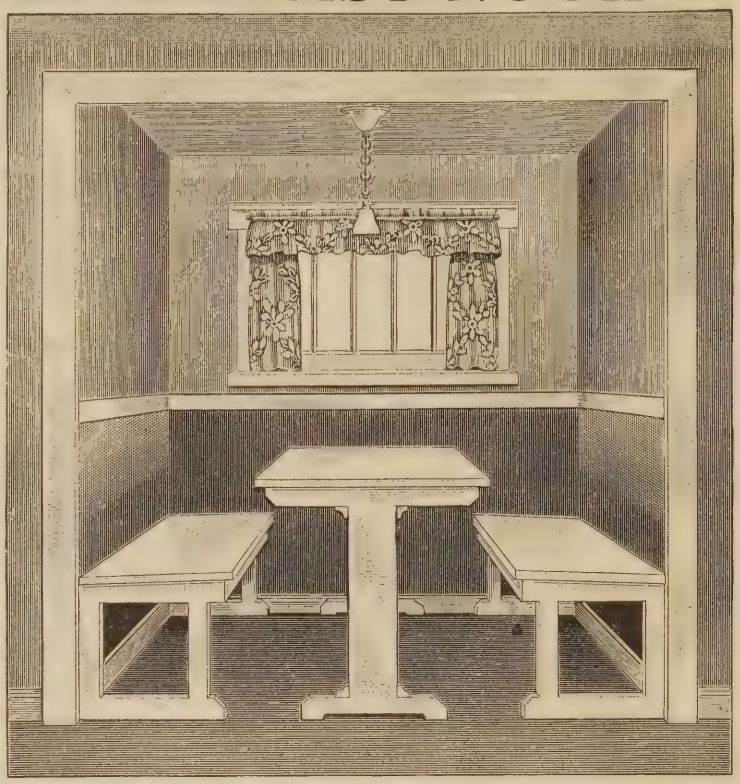
$25.50

The "Pomona" breakfast nook to the right is really an exceptional looking set and can be used anywhere in the room not requiring walls for backs or sides. It is intended for people who do not want an expensive outfit but can derive the same benefits that a high priced breakfast nook would give. The measurements are as follows: the total width required for this set is 6′ wide by 4′ 6″ deep. Table top measures 2′ 6″ x 4′ 6″ and the table top is 2′ 6″ from the floor to the top of the table. The seats are 1′ 4″ in width and are 1′6″ high from the floor, being, however, only 4′ long for easier seating.

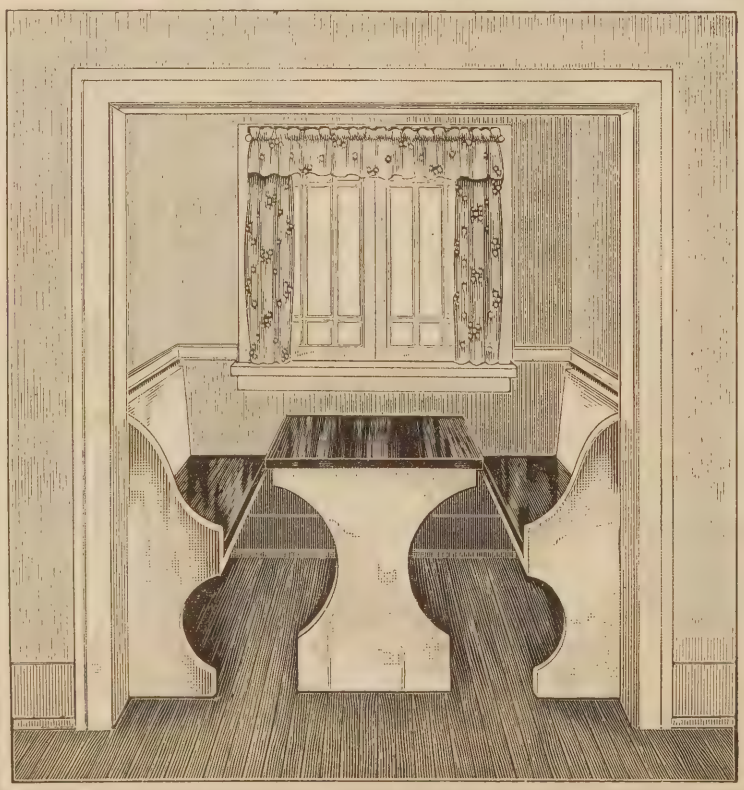
This breakfast nook consists of table and two benches, best woods and workmanship; comes to you in convenient knocked down form and if the nook is wanted set up ready to set in place, our charge is $5.60 for setting up.

10-C-2650. Clear Yellow Pine.....**$25.50**
10-C-2651. Clear plain Red Oak..... **39.00**
10-C-2652. Clear unselected Birch.... **42.75**

If wanted set up complete add $5.60



"MONTCLAIR" BREAKFAST NOOK



$31.50

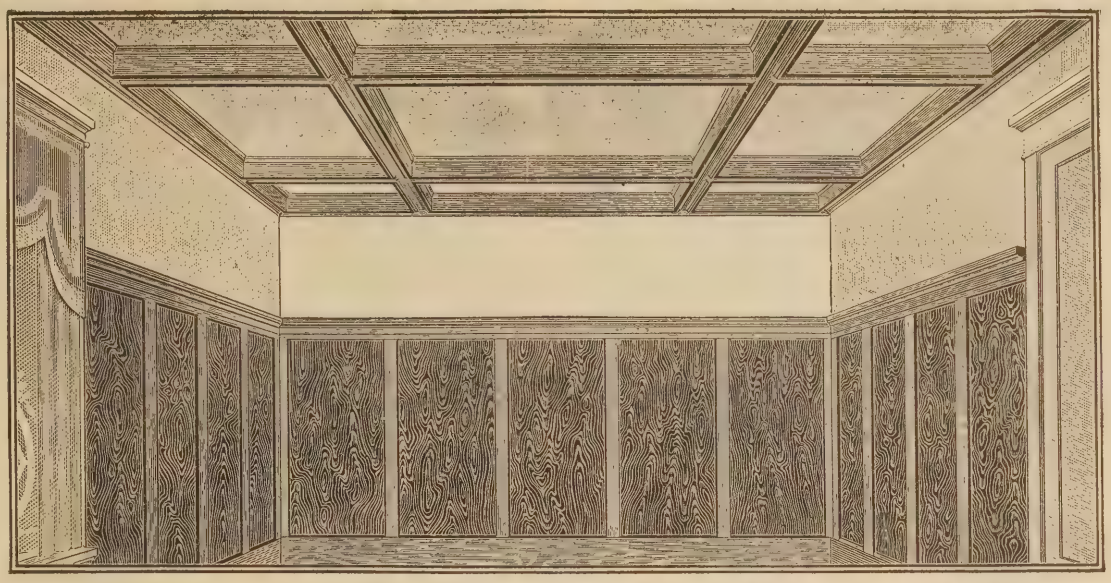
Our "Montclair" Alcove, shown to the left, can be used in an open space just as well as between the walls. The breakfast nook is completely furnished and can be moved to any part of the room very easily. The breakfast alcove to the left is intended for a space 6′ wide and 4′ 6″ deep. It consists of one table, top of which is 2′ 6″ x 4′ 6″, height of table is 2′ 6″, width of table legs at the front line is 1′ 6″, seats are 3′ high at the back, the legs are 1′ 2″ wide at the front line, seat is 1′ 6″ high over all and 1′ 6″ in depth and 4′ 6″ long.

This nook consists of table and two benches, best lumber and workmanship, and comes to you in knocked down form, that is, packed in bundles ready for assembling, complete with the exception of nails and screws, which are not included. If wanted set up, add $5.60. When ordering, state whether the nook is wanted knocked down or set up.

10-C-2653. Clear Yellow Pine. Price..**$31.50**
10-C-2654. Clear plain Red Oak. Price. **45.20**
10-C-2655. Clear unselected Birch.
Price **49.50**

If wanted set up complete add $5.60

BEAM CEILING AND WAINSCOTING



Impressive Room Interior with Beam Ceiling and Wainscoting

7 Member Ceiling Beam

10-B-544. Width 6 inches and has a projection 4½ inches from ceiling.

Yellow Pine, per lineal foot.....**16c**

Red Oak, per lineal foot.....**34c**

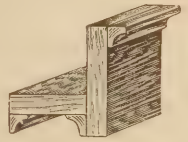
Beamed Ceilings are now considered an essential feature for the interior decoration of all high class residences, and by proper arrangement of beams, panels, mouldings, etc., beautiful and artistic effects may be gained which add greatly to beautify the home and make it more attractive.

5 Member Ceiling Beam

10-B-545. Projection 4½ inches.

Yellow Pine, per lineal foot..**10c**

Red Oak, per lineal foot...**18c**



Inside Door and Opening Jambs

Cut smooth and true, clear face stock. Side jambs dadoed for heads, heads cut square and straight. Prices do not include inside doorstops, which are extra. See price list below. About 20 lineal feet of stops required for each inside frame. See Moulding Page for Prices on Stops. Our standard is 5¼ inches wide.

Special!

Add for Yellow Pine stops to price of Yellow Pine jambs per set.....**35c**

Add for Red Oak stops to price of Red Oak jambs per set.....**48c**

Yellow Pine Jambs weigh approximately 18 lbs. shipping wt.

Red Oak Jambs weigh approximately 28 lbs. shipping wt.

Clear Fir Jambs, add 10 per cent. to Yellow Pine prices.

Unselected Birch Jambs same price as Red Oak.

Standard Door Jambs Without Stops

No. 10-B-101. Inside door jambs for 2x4 studding, for doors 2 ft. 6 in. and under—Yellow Pine. Price, each..... **$1.10**
2 ft. 8 in. by 6 ft. 8 in..... **1.18**
2 ft. 10 in. by 6 ft. 10 in..... **1.24**
3 ft. by 7 ft..... **1.28**

Intermediate sizes take next higher price.

No. 10-B-602. Inside door jambs for 2x4 studding, for doors 2 ft. 6 in. by 6 ft. 6 in., or smaller sizes—Red Oak. Price, each..... **$2.40**

No. 10-B-603. Same as above, except for sizes up to 2 ft. 8 in. by 6 ft. 8 in.—Red Oak. Price, each..**$2.50**

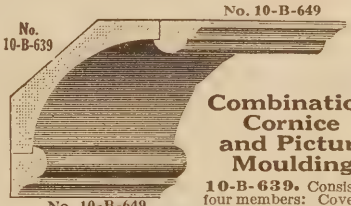
No. 10-B-604. Same as above, except for sizes up to 3 ft. by 7 ft.—Red Oak. Each.....**$2.60**

Inside Cased Opening Jambs

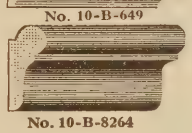
Cased opening jambs are made the same as regular standard door jambs except for wider and higher openings. Price covers one complete frame made for 2x4 studding without stops. 5¼ inch wide overall. For stops see moulding pages.

SIZE Feet	10-B-625 Yellow Pine	10-B-626 Plain Red Oak	Shipping Weight Pounds
5 x 7	$1.45	$2.80	30
8 x 3	1.65	3.10	40
9 x 9	1.85	3.25	45

No. 10-B-639



No. 10-B-649



No. 10-B-8264

Combination Cornice and Picture Moulding

10-B-639. Consists of four members: Cove is 5 inches. Ceiling and wall mouldings on cove, 1¾x¾ inches. Picture moulding, ¾x1¾ inches. Gives a finished touch to any room.

		Per 100 Lineal Feet
Ceiling Mould	10-B-649—Clear Yellow Pine,	$ 1.65
Cove "	10-B-639— " " "	9.00
Wall "	10-B-649— " " "	1.65
Picture "	10-B-8264— " " "	1.65
Ceiling "	10-B-649—Red Oak,	3.30
Cove "	10-B-639— " "	18.00
Wall "	10-B-649— " "	3.30
Picture "	10-B-8264— " "	3.30

10-B-550

Wainscot Panels

10-B-550. The beautifully figured slash grain Pacific Coast Fir makes the finest panels imaginable. Can be stained and finished to imitate oak, mahogany and other expensive woods. Fir Panels are laminated, that is, built up 3-ply, with the center layer running crosswise to the face, making them strong and warp proof, like the panels in our high grade Fir doors. The following table lists the sizes we carry in stock. Prices are for panels with one side ready to finish:

Size, Inches	Price	Size, Inches	Price
12x48	$0.48	12x60	$0.60
16x48	.65	16x60	.80
18x48	.72	18x60	.90
20x48	.93	20x60	1.05
24x48	1.04	24x60	1.25

For two sides ready to finish add 50 per cent. or half more. Our Panels are cut evenly and in correct sizes. **WRITE FOR FREE SAMPLE.**

No. 10-C-549. Panel Strips or the upright pieces used to form the panel effect are 5-16x2½ inches.
Yellow Pine, price per lineal foot.....**3½c**
Plain Red Oak, price per lineal foot.....**6½c**

For Additional Panel Strips See Page 40

ATTRACTIVE INTERIOR STAIRWAYS

Stairways Complete as Shown
Flooring or Landing Material Not Included

The interior stairways shown on this and the opposite page are but four of numerous designs which we can furnish. We have found these to be the most popular and keep ample stock of all materials going into their construction on hand for quick shipment in oak and yellow pine. All carefully selected, clear stock, smoothly machined and ready for oil, stain, paint or enamel. No balustrade for second floor included.

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

15 Risers, 3 feet
13 Treads, 3 feet
2 Starting Newels, No. 206
2 Angle Newels, No. 128
2 Stringers, 16 feet
2 Landing Treads
1 Piece No. 156, 14 feet
120 Lineal feet, 1¼ inch, S4S
24 Lineal feet Wall Mold
10 Lineal feet Return Nosing
60 Stair Wedges
4 Blox
60 Lineal feet Cove

		Stringers not Housed	Stringers Housed
10-C-695.	Price, Yellow Pine.....	$46.81	$58.10
10-C-696.	Price, Red Oak.....	72.55	90.15

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

4 Stringers, 16 feet
15 Risers, 3 feet
14 Treads, 3 feet
1 Landing Tread
1 Starting Newel
1 Landing Newel
1 Rail, 14 feet
1 Shoe, 14 feet
1 Fillet, 14 feet
120 Lineal feet, 1⅛x1⅛ inch
40 Lineal feet Wall Mold
10 Lineal feet Return Nosing
70 Lineal feet Cove
60 Wedges

		Stringers not Housed	Stringers Housed
10-C-697.	Price, Yellow Pine.....	$41.95	$53.20
10-C-698.	Price, Red Oak.....	69.20	86.80

NEWELS AND STOCK STAIRWAY MATERIALS

These newels are all popular modern designs the demand for them has made it necessary for us to carry them in stock at all times.

10-B-685 Angle Newel

10-B-124 Main Newel

10-B-206 Main Newel

10-B-684 Mission Main Newel

10-B-128 Angle or Landing Newel

Main Newels

Artistic and Exclusive Designs, 8 inches at Base, 6 inch Shaft, 4 feet long, extra long base.

10-B-124. Price, each
Yellow Pine.....**$6.50**
Plain Oak..... **8.78**

10-B-206. Price, each
Yellow Pine.....**$4.70**
Plain Oak..... **6.45**

10-B-684. Cap. 9¼ ins., Shaft, 6 ins., Base 7¾ ins. Height, 4 ft. Price
Yellow Pine.....**$7.20**
Red Oak..... **8.90**

Angle or Landing Newels

5-inch extra long Shaft, 5 feet 6 inches long, can be cut down to use as landing or starting newels.

Prices of Angle Newels

10-B-128 Price, each
Yellow Pine.....**$3.60**
Plain Oak..... **5.10**

Angle Newel

10-B-685. 5 ft. long. Price, each
Yellow Pine.....**$5.80**
Red Oak..... **7.50**

Round Rail

10-B-670. Rail, 1¾ inches diameter. Price, Yellow Pine, per foot..**7c**
10-B-676. Rail 1¾ inches diameter. Price, Plain Oak, per foot....**11c**

Landing Nosing

10-B-8262. Size, 1⅛x2¼ ins. Price, per 100 lineal feet.
Yellow Pine. **$5.85**
Plain Red Oak..... **9.40**

Return Nosing

10-B-8262½. Size, 1⅛x1⅝ ins. Price, per 100 lineal feet.
Yellow Pine.....**$3.90**
Oak..... **6.75**

Wa'l Mou'd

Stair Stringer

Stair Stringers and Wall Mould

Prices per 100 Lineal Feet

		Size	Wood	Price
10-B-654.	Wallmold.....	¾ x 1⅜	Y. P.	$ 1.60
10-B-655.	Wallmold.....	¾ x 1⅜	Oak	2.90
10-B-656.	String.....	1 x 12	Y. P.	10.50
10-B-678½	String.....	1 x 12	Y. P.	12.50
10-B-657.	String.....	1 x 10	Oak	18.75
10-B-679½.	String.....	1 x 12	Oak	20.60

FOR MODERN AMERICAN HOMES

Stairways Complete as Shown
Flooring or Landing Material Not Included

Any one of the elegant interior stairways illustrated on these pages are furnished complete to you at a surprisingly low cost. After you have decided upon the style you wish, simply make a rough pencil sketch of the opening in your building allowed for stairway, showing the width between finished walls and the height from finished first floor to finished second floor. With this information, we will be able to tell you exactly what the stairway for your building will cost you. No balustrade for second floor included.

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

2 Stringers, 16 feet
15 Risers
13 Treads
1 Square End Step
2 Landing Treads
1 Starting Newel
1 Angle Newel
½ Angle Newel
120 Lin. feet, 1½x1½
1 Piece Rail, 14 feet
1 Piece Return Nosing, 10 feet
60 Wedges
60 Lineal feet Cove
40 Lineal feet Wall Mold

		Stringers not Housed	Stringers Housed
10-C-856.	Price, Yellow Pine.....	$45.80	$57.00
10-C-857.	Price, Red Oak.....	73.50	91.50

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

2 Stringers, 16 feet
15 Risers
12 Treads
1 Double End Tread
2 Landing Treads
2 Starting Newels
½ Starting Newel
1 Angle Newel
½ Angle Newel
4) Lineal feet Wall Mold
60 Lineal feet Cove
60 Wedges
10 Lineal feet Return Nosing
1 Rail, 16 feet
120 Lineal feet, 1½x1½ inch

		Stringers not Housed	Stringers Housed
10-C-858.	Price, Yellow Pine.....	$58 50	$69.70
10-C-859.	Price, Red Oak.....	88.50	106.50

YOUR CHOICE OF OAK OR YELLOW PINE

10-B-118

10-B-652

STAIR BALUSTERS
1¾ inches thick; 28 or 32 inches long.

SMOOTHLY FINISHED
No. 10-B-652
Also supplied in long lengths.
1½ in. x 1½ in. Yellow Pine **$1.95** per 100
1½ in. x 1½ in. Red Oak **$3.45** per 100

Cat. No.	Length 28 Inches		Length 32 Inches	
1¾ ins. thick	Y.-P.	Oak	Y.-P.	Oak
10-B-118	$0.28	$0.40	$0.30	$0.40
10-B-652	.15	.25	.18	.30

Treads and Risers

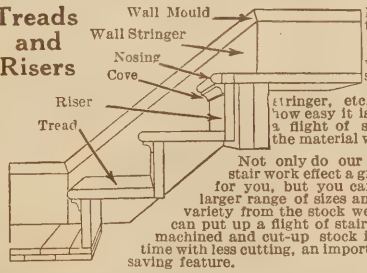


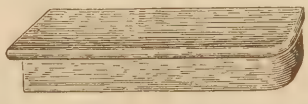
Illustration to the left shows a sectional view of our stair treads, risers, stringer, etc., showing how easy it is to put up a flight of stairs from the material we quote.

Not only do our prices on stair work effect a great saving for you, but you can build a larger range of sizes and a larger variety from the stock we list. You can put up a flight of stairs from our machined and cut-up stock in quicker time with less cutting, an important labor-saving feature.

Prices of Treads and Risers
Surfaced, cut smooth and nosed front. Clear Stock.

Number		Ins. Sizes Ft.	Price, each Y.-P.	Oak
10-B-666.	Riser	¾x 7½x3	$0.25	$0.45
10-B-678.	Riser	¾x 7½x3½	.29	.54
10-B-679.	Riser	¾x 7½x4	.35	.59
10-B-668.	Tread	1⅛x11½x3	.66	1.02
10-B-682.	Tread	1⅛x11½x3½	.72	1.16
10-B-683.	Tread	1⅛x11½x4	.83	1.30

Quarter Circle Step



Furnished Complete as Illustrated
Built—Ready to Set in Place.

Quarter Circle Step—Furnished Right or Left Hand Return. Illustration shows right hand return. Prices for Sizes up to 4 ft. (Width of Stairs).

No.	Description	Wood	Price Each
10-B-672	R. H. Return.	Clear Y.P.	$7.10
10-B-673	L. H. Return.	Clear Y.P.	7.10
10-B-674	R. H. Return.	Clear Oak	9.05
10-B-675	L. H. Return.	Clear Oak	9.05

Half Circle Step

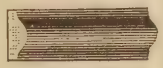
Furnished Complete as Illustrated
Built—Ready to Set in Place

Half Circle Step—Furnished Right or Left Hand Return. Illustration shows left hand return. Prices for Sizes up to 4 ft. (Width of Stairs).

No.	Description	Wood	Price Each
10-B-660	L. H. Return.	Clear Y.P.	$7.30
10-B-661	R. H. Return.	Clear Y.P.	7.30
10-B-662	L. H. Return.	Clear Oak	9.40
10-B-663	R. H. Return.	Clear Oak	9.40

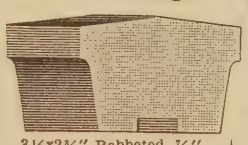
Stair Shoe and Fillet

⅞x2¾ inches
10-B-157. Rabbeted Shoe. Per lineal foot.
Yellow Pine.....4c
Oak.....7c

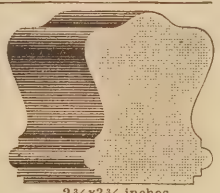


⅝x1¼ inches
10-B-158. Fillet. Per lineal foot
Yellow Pine.....2c
Oak.....3½c

Stair Railing



3½x2¾" Rabbeted ⅞"
10-B-686. Mission Rail.
Prices per lineal foot.
Yellow Pine.....34c
Red Oak.....43c



2¾x3¾ inches
10-B-156.
Prices per lineal foot.
Yellow Pine.....28c
Oak.....41c

Add 1c per foot if rabbeted for 1½ in. or 1¾ in. Balusters.

HIGH GRADE COLONIAL COLUMNS

PERGOLAS FOR GARDENS AND LAWNS

10-B-531
Roman Ionic Cap

10-B-532
Corinthian Cap

10-B-533
Colonial Cap

A modern neatly designed well constructed pergola will add a touch of distinctive beauty and completeness to your grounds. Numerous elegant designs are available from our big complete stocks of pergola material. We are equipped to develop your own ideas and interpret them in such designs as you have in mind in terms of practical construction.

The pergola illustrated on this page is a popular design which can be delivered at surprisingly low cost. Made up complete of clear Fir comprising 8 square columns 8 feet high and 8 inches square at base tapering to top, scroll cut top beams and lattice covering. Distances between all pillars, 8 feet. Total length 28 feet overall. Weight, about 750 pounds.

Price of pergola as illustrated complete, in the white (natural wood)..... **$66.50**

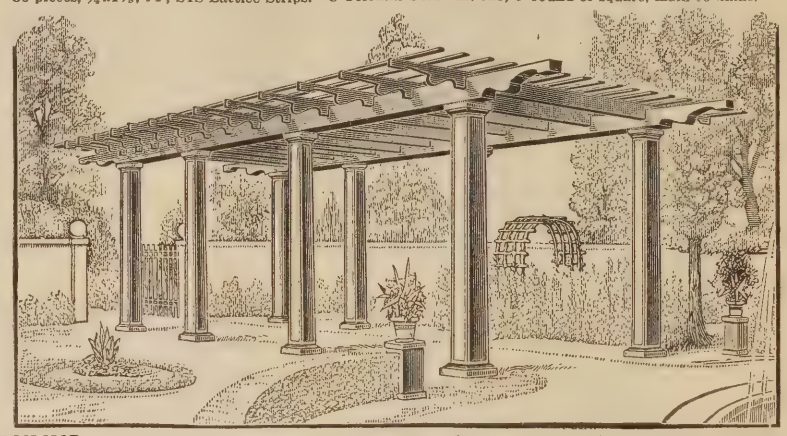
If round columns are wanted they can be furnished at same price. Specify round columns if wanted.

10-C-611. Pergola consists of the following material:
4 pieces 2x6, 18′ Band Sawed one end, to be spliced to make 28 feet.
4 pieces 2x6, 10′ Band Sawed one end, to be spliced to make 28 feet.
13 pieces, 2x4, 12′ Band Sawed two ends, Cross Rafters.
60 pieces, ¾x1⅜, 14′, S4S Lattice Strips. 8 Colonial Columns, 8x8, 8′ round or square, main columns.

10-B-110

10-B-210

10-B-109



PRICES OF COLONIAL COLUMNS

Diam. of Shaft, Inches	Length Feet	**10-B-110** Plain Shaft as illustrated	**10-B-210** Half Fltd. as illustrated	**10-B-109** Full Fltd. as illustrated	Ship. Wt., Lbs.
6x 6	6	$2.56	$3.75	$3.95	30
6x 6	8	2.74	4.00	4.20	35
6x 6	9	2.94	4.30	4.50	38
8x 8	6	2.97	4.40	4.60	40
8x 8	8	3.45	4.78	5.10	48
8x 8	9	3.90	5.25	5.50	50
8x 8	10	4.35	5.65	5.95	54
10x10	6	4.03	5.35	5.60	55
10x10	8	4.65	5.80	6.10	62
10x10	9	5.35	6.40	6.70	68
10x10	10	5.94	7.15	7.50	72
12x12	6	5.35	6.90	7.35	64
12x12	8	6.75	7.95	8.40	68
12x12	9	7.65	8.95	9.45	72
12x12	10	8.25	9.50	9.95	75

Our round Colonial columns are built up from Clear Selected Fir, improved lock joint construction.

COMPOSITION CAPS

All prices listed on this page are for Columns complete with Plain Colonial Cap 10-B-533, and base as shown. Add extra for Composition Cap as follows:

COMPOSITION CAPS EXTRA

For Size of Column any length	Scamozzi Cap **10-C-530**	Roman Ionic Cap **10-C-531**	Roman Corinthian Cap **10-C-532**
6 inch column	$2.50	$2.65	$4.15
8 inch column	2.65	2.80	5.95
10 inch column	3.15	3.30	6.80
12 inch column	4.60	4.75	8.60

INTERIOR TRIMMINGS

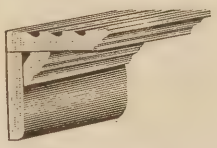
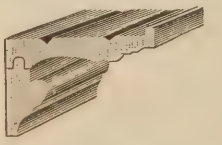


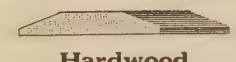
Plate Rail

10-B-340. Furnished in clear Selected Yellow Pine or Oak. Three member. Projection from wall 4¾ inches Height over all 4½ inches.
Yellow Pine, per lineal ft.... **13c**
Oak per lineal ft..... **26c**



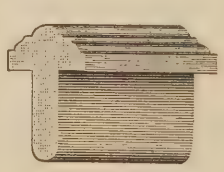
Combination Plate Rail and Picture Mold

10-B-343. Two members, fitted and glued together. Projection from wall 3 inches. Height over all 2 inches.
Yellow Pine, per lineal ft.... **9c**
Oak, per lineal ft..... **13½c**



Hardwood Thresholds

10-B-154. ⅝x3¾ inches. Clear Oak, length 3 feet. Price, each..... **16c**



Folding Door Astragal

10-B-8449. 8 feet long. Folding Door Astragal, rabbetted, 1⅜ inches.
Yellow Pine, each.... **$0.75**
Oak, each **1.25**

10-B-8449. 8 feet long. Folding Door Astragal, rabbetted 1¾ inches.
Yellow Pine, each... **$0.75**
Oak, each..... **1.25**

Round Edge Corner Bead

10-B-541. 1⅜x1⅜ inches Yellow Pine. Price, per 100 lineal feet..... **$4.95**

10-B-542. 1⅜x1⅜ inches Red Oak. Price, per 100 lineal feet..... **$7.95**

Plaster Panel Mould

Very popular for paneling plastered walls.

Prices per 100 lineal feet

10-C-931. Clear Yellow Pine, 7/16x1¾ in.. **$1.50**

10-C-931. Clear Fir, 7/16x1¾ in..... **1.65**

10-C-931. Clear Red Oak, 7/16x1¾ in... **3.00**

10-C-931. Clear Birch, 7/16x1¾ in..... **3.40**

Moulded Panel Strips

Moulded Panel Moulding—used for Wall Board Panels, or decorative paneling of any kind.

Prices per 100 lineal feet

10-C-932—Clear Yellow Pine, size, 7/16x2½ in **$2.70**
10-C-932—Clear Fir, size, 7/16x2½ in. **3.00**
10-C-932—Clear Red Oak, size, 7/16x2½ in... **4.50**
10-C-932—Clear Birch, size, 7/16x2½ in..... **4.95**

Three Member Flat Panel Strips
With Separate Cove Mould

3 Member Combination Flat and Cove Panel Moulding for Wall Board or any kind of decorative paneling. Easiest to apply, no "coping" necessary—simply square cut the panel strip and mitre the cove—neat, practical and easy. It is furnished in 3 members—the flat strip and the two pieces of small cove.

Prices per 100 ft. all 3 members combined.

10-C-933—Clear Yellow Pine, size of flat panel strip, 7/16x2½ in, size of cove, 5/16x5/16 in..... **$4.70**
10-C-933—Clear Fir, size of flat panel strip, 7/16x2½ in. size of cove, 5/16x5/16 in..... **5.00**
10-C-933—Clear Red Oak, size of flat panel strip, 7/16x2½ in., size of cove, 5/16x5/16 in..... **6.50**
10-C-933—Clear Birch, size of flat panel strip, 7/16x2½ in., size of cove, 5/16x5/16 in..... **6.95**

Clear Fir Porch and Outside Trim

Wood Porch Post and Newels

Made of
CLEAR SOFT OREGON FIR

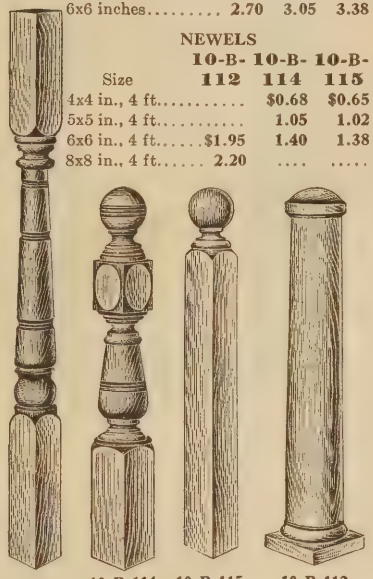
SIZE AND PRICE No. **10-B-113**

Prices

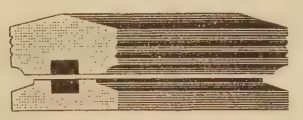
Size	8 ft.	9 ft.	10 ft.
4x4 inches	$1.20	$1.35	$1.50
5x5 inches	1.92	2.13	2.37
6x6 inches	2.70	3.05	3.38

NEWELS

Size	10-B-112	10-B-114	10-B-115
4x4 in., 4 ft.		$0.68	$0.65
5x5 in., 4 ft.		1.05	1.02
6x6 in., 4 ft.	$1.95	1.40	1.38
8x8 in., 4 ft.	2.20	....	.....



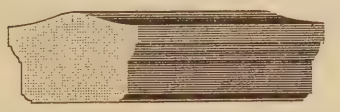
10-B-113 10-B-114 10-B-115 10-B-112



TOP and BOTTOM RAIL.
Rabbeted ⅞-Inches

10-B-560 Top Rail
1¾x3 In. Per 100 lineal ft. $5.70

10-B-561 Bottom Rail
13-16x3 In. Per 100 lineal ft. 3.60

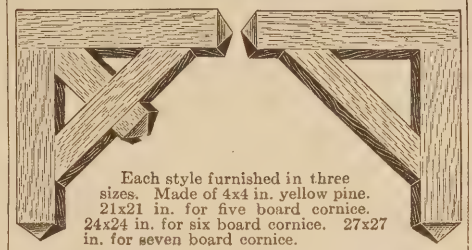


10-B-606 COLONIAL TOP RAIL
Extra Heavy
2¼x3¾ In. Per 100 lineal ft. $10.65

10-B-607 COLONIAL BOTTOM RAIL
Extra Heavy
1¾x3¾ In. Per 100 lineal ft. $6.60

On this page you will find listed and described all of the finished material that goes into the construction of porches. You might also be interested in the material on the preceding page which is also used in modern porches and any one interested in building a new home or remodeling their old home can readily make their selections from these pages. This material is all strictly brand new stock of clear lumber used in the construction of finest porches. Lumber can also be furnished by us at greatly reduced prices and we advise you to send us your porch material list for our lowest quotation.

EAVES BRACKETS



Each style furnished in three sizes. Made of 4x4 in. yellow pine. 21x21 in. for five board cornice. 24x24 in. for six board cornice. 27x27 in. for seven board cornice.

10-B-620

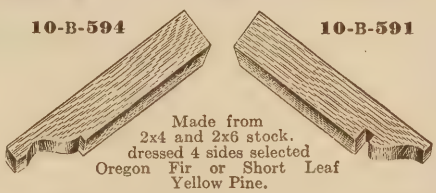
Size	Each
21 inches	$2.43
24 inches	2.57
27 inches	2.91

10-B-621

Size	Each
21 inches	$2.12
24 inches	2.26
27 inches	2.60

RAFTER ENDS

10-B-594 **10-B-591**



Made from 2x4 and 2x6 stock. dressed 4 sides selected Oregon Fir or Short Leaf Yellow Pine.

Length	2 ft.	4 ft.		5 ft.		6 ft.	
	2x4 in	2x4 in	2x6 in	2x4 in	2x6 in	2x4 in	2x6 in
10-B-591	45c	62c	77c	73c	87c	77c	99c
10-B-594	43c	60c	75c	71c	85c	75c	97c

Square Built Up Columns and Newels

Made of
CLEAR SOFT OREGON FIR

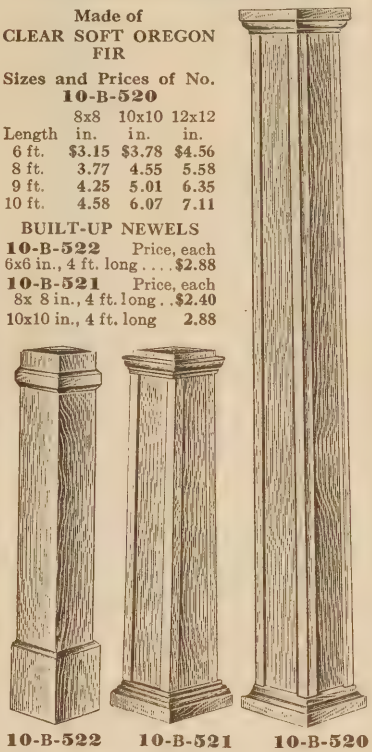
Sizes and Prices of No. **10-B-520**

Length	8x8 in.	10x10 in.	12x12 in.
6 ft.	$3.15	$3.78	$4.56
8 ft.	3.77	4.55	5.58
9 ft.	4.25	5.01	6.35
10 ft.	4.58	6.07	7.11

BUILT-UP NEWELS

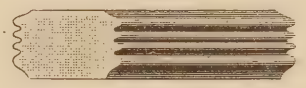
10-B-522 Price, each
6x6 in., 4 ft. long $2.88

10-B-521 Price, each
8x 8 in., 4 ft. long .. $2.40
10x10 in., 4 ft. long 2.88



10-B-522 10-B-521 10-B-520

10-B-146 Top Rail
1¾x3 In. Per 100 lineal ft. $5.50



10-B-147 Bottom Rail
1¾x3 In. Per 100 lineal ft. $5.50

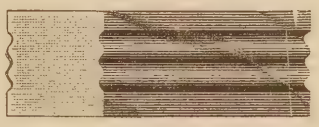
Porch Baluster Stock

Our porch baluster stock furnished in lineal feet, is all clear, soft Oregon fir correctly sized and well machined.

10-B-556

Square Baluster Stock Surfaced All Sides

1⅛x1⅛ in., per 100 lineal feet $1.65
1⅜x1⅜ in., per 100 lineal feet 1.90
1¾x1¾ in., per 100 lineal feet 3.75
Cut to lengths at 50c per 100 ft. extra

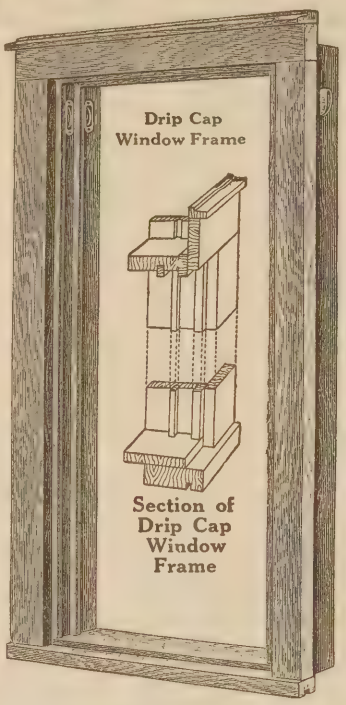


Clear Soft Wood

10-B-152
Baluster Stock, 1⅜x1⅜ inches.
Per 100 lineal feet $2.25

10-B-151
Baluster Stock, 1¾x1¾ inches.
Per 100 lineal feet 3.60

Window Frames for Wood Frame Buildings



Clear Kiln Dried Fir

Ball Bearing Pulleys

Our Window Frames are of the highest grade that is manufactured. These frames are for frame buildings, having standard 2x4 studding, siding, sheathing and plaster. All frames are carried in stock in the sizes listed below, all machined, ready to put together, no further cutting or fitting is necessary. All that is necessary after receiving our frames is to nail them together and any carpenter can put any of our frames together in ten or fifteen minutes. Frames are shipped knocked down, securely bundled to avoid damage in transit. We carry a complete stock in all sizes for immediate shipment.

PLAIN DRIP CAP
Window Frames

Illustration at the left shows our Plain Drip Cap Window Frames, which are furnished complete as shown, either with or without pulleys. Specifications: Outside casing 1⅛x4¼ inches, pulley stiles and head jambs ¾x5¼ inches over all, including blind stop; plowed for parting stop. Two member sill, main section 1⅝x3⅝ inches, subsection ¾x5¼ inches, drip cap 1⅛x1⅝ inches. See insert section for construction of frames.

CROWN MOULD CAP
Window Frames

Illustration to the right shows our Crown Mould Cap Window Frames, which are furnished complete as shown, either with or without pulleys. Specifications are the same as our Drip Cap Window Frame to the left, with exception that Head Casing is 5¾ inches wide to allow for crown mould cap. Size of crown moulding is ¾x2¼ inches, size of drip cap 1⅛x3 inches. See insert section for construction of frames.

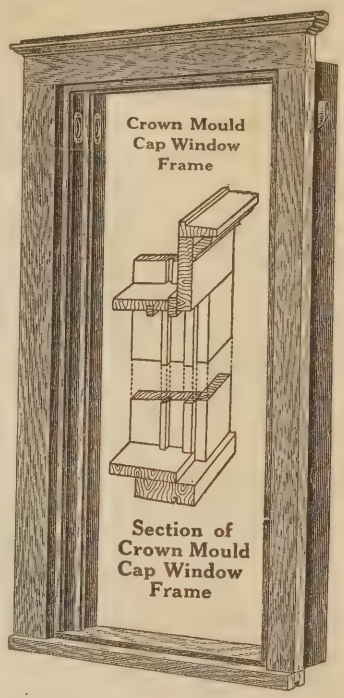
If size you want is not shown, use price of next larger size.

MULLION AND TRIPLE FRAMES

Mullion or Double Frames are double the price of regular single frames of the same window opening size plus 50c.

Triple Frames are three times the price of regular single frames of the same window opening size plus $1.00.

A window frame 28x28 2 lights is considered an average size and weighs approximately 40 pounds. Other frames will weigh more or less in proportion, according to sizes.



PRICES OF FRAMES FOR CHECK RAIL WINDOWS FOR WOOD FRAME BUILDINGS

Frame for Windows Containing TWO LIGHTS of Glass		DRIP CAP	CROWN MOULD CAP
Glass Sizes, Prices cover Frame only.	Outside Window Measurement. Inside opening of Frame. ft. in. ft. in.	1⅛ inch Casing including Pulleys 10-B-458	1⅛ inch Casing including Pulleys 10-B-459
12x20	1- 4¼ x 3-10	$2.36	$2.62
12x24	1- 4⅛ x 4- 6	2.64	2.90
12x28	1- 4⅛ x 5- 2	2.82	3.08
14x20	1- 6⅛ x 3-10	2.52	2.78
14x24	1- 6⅛ x 4- 6	2.82	3.08
14x32	1- 6⅛ x 5-10	2.96	3.22
16x24	1- 8⅛ x 4- 6	2.88	3.14
16x28	1- 8⅛ x 5- 2	3.12	3.39
18x20	1-10⅛ x 3-10	2.64	2.94
18x26	1-10⅛ x 4-10	3.12	3.41
18x30	1-10⅛ x 5- 6	3.26	3.54
20x20	2- 0⅛ x 3-10	2.82	3.10
20x22	2- 0⅛ x 4- 2	2.85	3.14
20x30	2- 0⅛ x 5- 6	3.34	3.64
22x24	2- 2⅛ x 4- 6	3.12	3.39
22x28	2- 2⅛ x 5- 2	3.34	3.44
22x32	2- 2⅛ x 5-10	3.58	3.86
24x20	2- 4⅛ x 3-10	2.96	3.26
24x24	2- 4⅛ x 4- 6	3.12	3.40
24x26	2- 4⅛ x 4-10	3.34	3.64
24x28	2- 4⅛ x 5- 2	3.58	3.86
24x30	2- 4⅛ x 5- 6	3.62	3.91
24x36	2- 4⅛ x 6- 6	3.86	4.14
26x26	2- 6⅛ x 4-10	3.34	3.64
26x28	2- 6⅛ x 5- 2	3.58	3.86
26x30	2- 6⅛ x 5- 6	3.60	3.89
26x40	2- 6⅛ x 7- 2	4.02	4.32
28x28	2- 8⅛ x 5- 2	3.58	3.88
28x30	2- 8⅛ x 5- 6	3.72	4.04
28x32	2- 8⅛ x 5-10	3.86	4.16
30x24	2-10⅛ x 4- 6	3.58	3.88
30x28	2-10⅛ x 5- 2	3.72	4.04
30x30	2-10⅛ x 5- 6	3.76	4.06
30x32	2-10⅛ x 5-10	3.86	4.18
30x40	2-10⅛ x 7- 2	4.18	4.49
32x24	3- 0⅛ x 4- 6	3.58	3.89
32x30	3- 0⅛ x 5- 6	3.86	4.16
32x36	3- 0⅛ x 6- 6	4.18	4.50
34x30	3- 2⅛ x 5- 6	3.86	4.22
36x24	3- 4⅛ x 4- 6	3.72	4.06
36x28	3- 4⅛ x 5- 2	3.86	4.20
36x32	3- 4⅛ x 5-10	4.02	4.40
40x28	3- 8⅛ x 5- 2	4.06	4.42
40x30	3- 8⅛ x 5- 6	4.18	4.54
40x36	3- 8⅛ x 6- 6	4.30	4.69

Frame for Windows Containing FOUR LIGHTS of Glass		DRIP CAP	CROWN MOULD CAP
Glass Sizes, Prices cover Frame only.	Outside Window Measurement. Inside opening of Frame. ft. in. ft. in.	1⅛ inch Casing including Pulleys 10-B-458	1⅛ inch Casing including Pulleys 10-B-459
10x20	2- 1 x 3-10	$2.82	$3.10
10x24	2- 1 x 4- 6	3.12	3.39
12x20	2- 5 x 3-10	2.95	3.25
12x22	2- 5 x 4- 2	3.12	3.41
12x24	2- 5 x 4- 6	3.15	3.45
12x26	2- 5 x 4-10	3.34	3.64
12x28	2- 5 x 5- 2	3.58	3.86
12x30	2- 5 x 5- 6	3.62	3.91
14x24	2- 9 x 4- 6	3.34	3.64
14x26	2- 9 x 4-10	3.58	3.86
14x28	2- 9 x 5- 2	3.72	4.04
14x32	2- 9 x 5-10	3.86	4.16
14x40	2- 9 x 7- 2	4.18	4.50
15x30	2-11 x 5- 6	3.76	4.06
15x32	2-11 x 5-10	3.86	4.18
15x36	2-11 x 6- 6	4.18	4.50

Frame for Windows Containing EIGHT LIGHTS of Glass		DRIP CAP 10-B-458	CROWN MOULD CAP 10-B-459
8x10	1- 9 x 3-10	$2.70	$2.99
9x12	1-11 x 4- 6	3.28	3.56
10x12	2- 1 x 4- 6	3.43	3.73
10x16	2- 1 x 5-10	3.93	4.26
12x14	2- 5 x 5- 2	3.96	4.31
14x16	2- 9 x 5-10	4.09	4.44
14x20	2- 9 x 7- 2	4.60	4.95

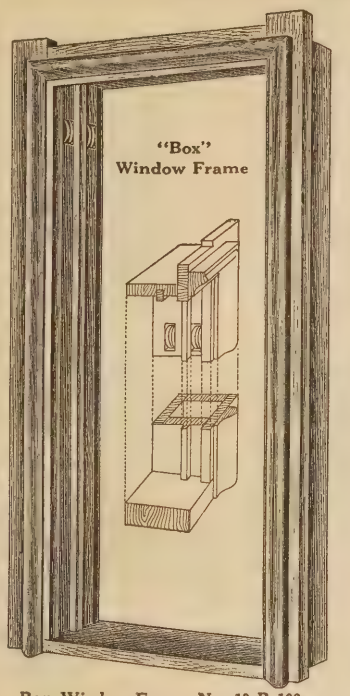
Frame for Windows Containing TWELVE LIGHTS of Glass		DRIP CAP 10-B-458	CROWN MOULD CAP 10-B-459
8x10	2- 4½ x 3-10	$3.38	$3.60
9x12	2- 7½ x 4- 6	3.50	3.85
10x12	2-10½ x 4- 6	3.94	4.26
10x14	2-10½ x 5- 2	4.09	4.44
10x16	2-10½ x 5-10	4.24	4.60
12x14	3- 4½ x 5- 2	4.29	4.62
12x20	3- 4½ x 7- 2	5.08	5.36

CLEAR FIR WINDOW FRAMES

BALL BEARING PULLEYS

Window Frames for Solid Brick, Stone or Cement Block Buildings

are illustrated at the left. These frames are known as Box Window Frames, made for a regular 9 inch wall, but can be used for 13 inch wall by using an extension jamb. Specifications: This frame has 1⅛x2 inch brick mould, ¾x5 inch blind stop, ¾x4 ⅛ inch pulley stile, ½x$\frac{13}{16}$ inch parting stop, ¾x4 inch rabbeted box lining and ¾x4⅛ inch back box lining. All exposed lumber will be clear face stock, carefully selected and thoroughly seasoned. The box linings are made from good, sound quality lumber.



Box Window Frame No. 10-B-108

Window Frames for Brick Veneer Buildings

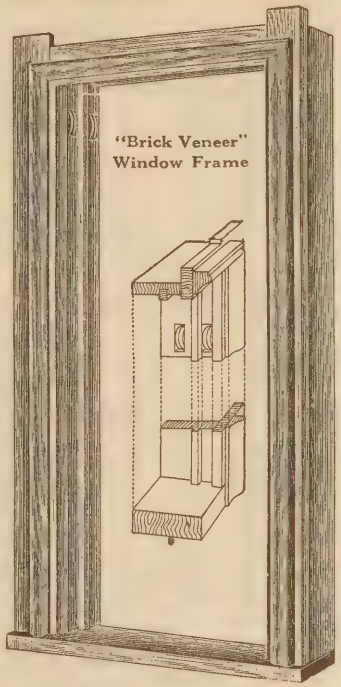
are illustrated at right. This frame is used for walls of 2x4 studding, veneered with a layer of brick, and they are made in the same manner as the frame for a brick or stone wall, with the exception that the box lining is omitted, not being required. All exposed lumber is clear face stock.

Specifications: Blind stop, ¾x4½ inches; pulley stile, ¾x5⅛ inches, making width of jamb 5⅞ inches, including blind stop. Brick mould, 1⅛x2 inches, parting stop ½x$\frac{13}{16}$ inch. Sills made from 2x8 stock.

All our frames are made in exact sizes. Every piece is cut to fit, ready to put together, easily assembled. We ship them knocked down to avoid damage in transit and extra freight. Remember when consulting the table below that intermediate sizes are furnished at the price of the next larger size. When ordering, give size of window and frame will be made to fit.

Note: If Box Frames are wanted for brick arch, be sure to specify and allow 15c net extra for each frame.

A box window frame 28x28, 2 lights, is considered an average size and weighs approximately 48 pounds. Other frames will weigh more or less in proportion, according to sizes.



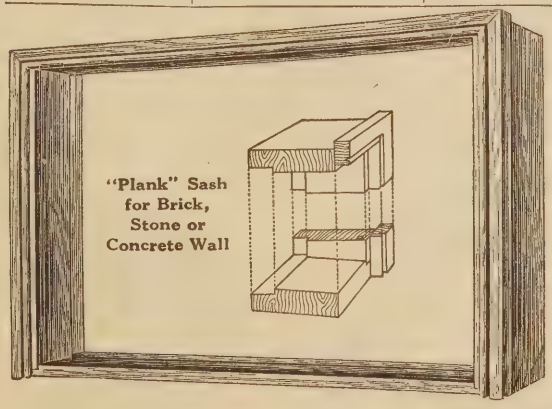
Brick Veneer Frame No. 10-B-467

Prices of Box Window Frames
Order by Size and Number—Prices Include Pulleys

Width	Height	Price Each Frame No. 10-B-108
2 feet 2 inch	4 feet 6 inch or smaller	$5.40
2 feet 6 inch	5 feet 2 inch or smaller	5.50
2 feet 8 inch	5 feet 10 inch or smaller	5.75
3 feet 4 inch	5 feet 2 inch or smaller	6.05
4 feet	5 feet 10 inch or smaller	6.20
4 feet 4 inch	6 feet 6 inch or smaller	6.35

Prices of Brick Veneer Frames
Always Give Width First—Prices Include Pulleys

Width	Height	Price Each Frame No. 10-B-467
2 feet 2 inch	4 feet 6 inch or smaller	$4.40
2 feet 6 inch	5 feet 2 inch or smaller	4.60
2 feet 8 inch	5 feet 10 inch or smaller	4.83
3 feet 4 inch	5 feet 2 inch or smaller	5.10
4 feet	5 feet 10 inch or smaller	5.25
4 feet 4 inch	6 feet 6 inch or smaller	5.40

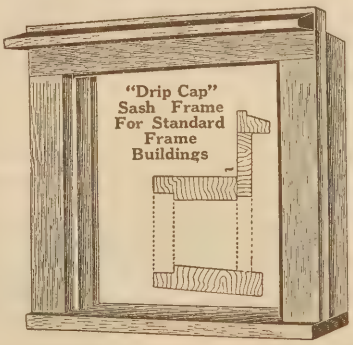


Sash Frames

For Single Stationary Sash

These frames are used in gables, dormers, stair landings and vestibules.

Sash frame per illustration to right is made of the same high grade material as all the other window and door frames, suitable for frame buildings where 2x4 studding is used with lath and plaster on inside and sheathing on the outside, making jamb 5¼ inches over all. Furnished drip cap or crown mould cap, just as ordered. Also made from 2x6 or 2x8 plank for brick or stone building. Be careful to order correct style, stating in your order for what kind of a building same will be used and mention catalog number.



Cellar Sash Frame. No. 10-B-107

Plank cellar sash frames are made with a 1¾x5¼ inch jamb. 1⅛x2 inch clear brick moulding. Knocked down, bundled for shipment. Made of clear Western Fir.
No. **10-B-107.** Plank cellar sash frame, size 2 feet 10 inches by 1 foot 9 inches.
Price..... **$1.98**

Shipping Weight approximately 30 pounds

Mullion Frames

Mullion or Twin or Double Window Frames, just double price of regular frames of the corresponding size.

Triple Window Frames where three windows are used side by side, price will be just three times the cost of regular window frame as listed on this page for corresponding sizes.

MULLION or TWIN or DOUBLE SASH FRAMES or CASEMENT SASH FRAMES, just double prices as listed.

No.	Description	Price for Sash Opening 2-10x 2-11 or Smaller	Price for Sash Opening 3-4x 3-9 or Smaller	Price for Sash Opening 4-4x 5-10 or Smaller
10-B-476.	Drip Cap for 2x4 Studding	$2.25	$2.70	$3.65
10-B-477.	Crown Cap for 2x4 Studding	2.60	3.10	4.10
10-B-478.	2x6 Jambs for brick or stone wall	2.70	3.05	4.00
10-B-479.	2x8 Jamb for brick or stone wall	3.10	3.40	4.05

Shipping Weight approximately 30 pounds

Casement Sash Frames

With Special Water-Tight Sill

These frames are made specially for casement sash, and the water-tight sill is so constructed that the sash can swing either in or out. When ordering you must specify which way you want your sash to swing.

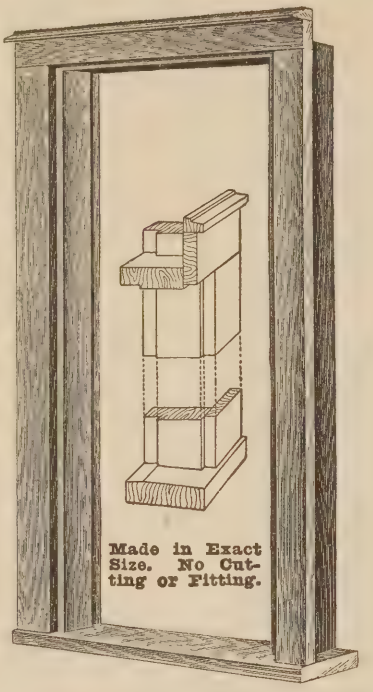
Be careful to order correctly, stating whether for frame or for brick building.

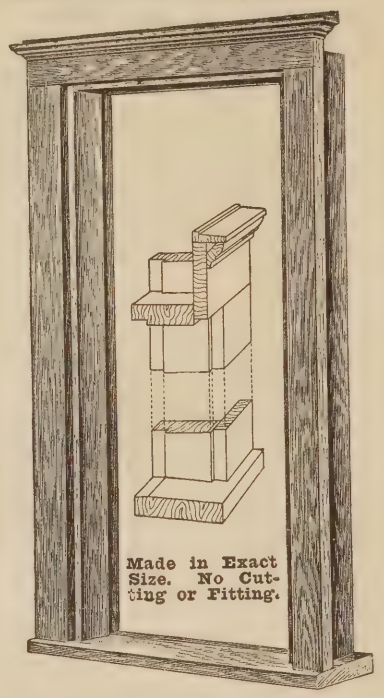
No. **10-B-488.** Casement Sash Frame for frame building, jamb not over 5¼ inches, special sill construction, for glass sizes up to 44x44, plain drip cap. Price, each..... **$4.20**
No. **10-B-489.** Casement Sash Frame, same as above except Crown Mould Cap. Price, each. **4.30**
No. **10-B-490.** Casement Sash Frame, same as above except made from 2x8 plank jamb or narrower jambs for brick or cement buildings, for sizes up to 44x44. Price, each..... **4.40**

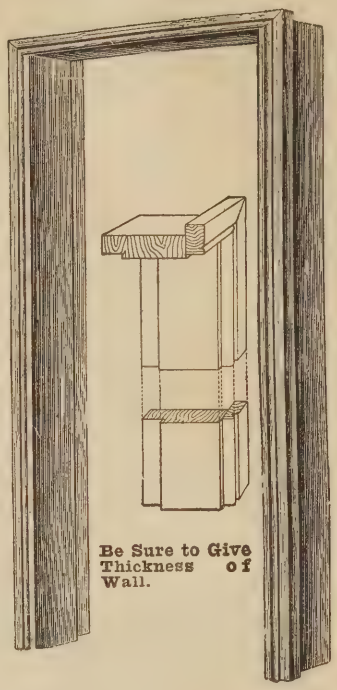
Also made for French Windows and Sash. Write for Prices.

CLEAR FIR OUTSIDE DOOR FRAMES

AND FRAME MATERIAL







Door frames in stock for immediate delivery made of selected clear kiln dried fir. Shipped taken apart and carefully bundled to take lowest freight rate and perfect delivery. Rabbeted for 1⅜" thickness door unless otherwise specified. Weight each frame, about 65 lbs.

Drip Cap Door Frames

1 1-8 Inch Outside Casing

Includes everything complete as shown; outside casing, 1⅛x4¼; solid sill, 1⅝x7¼; rabbeted jamb, 1⅜x5¼".

No. **10-B-99.** Outside door frames for 2x4 studding, with solid clear Fir sills, any size up to and including 3 ft. by 7 ft. rabbeted for doors 1⅜ inches in thickness or 1¾ inches in thickness..... **$4.10**

No. **10-B-413.** Plain drip cap door frame with transom head, not exceeding 2 feet in height. Price..... **$4.95**

Oak sills for any of above frames, $1.00 per frame extra.

Crown Mould Cap Door Frames

1 1-8 Inch Outside Casing

This frame has 1⅛x3 inch Drip Cap, 1⅛x5¾ inch head casing. 1⅛x4¼ inch outside casing, 2¼ inch crown moulding, 1⅜x5¼ inch jamb, rabbeted to suit thickness of door, solid sill 1⅝x7¼.

No. **10-B-103.** Crown mold cap outside door frame for frame buildings with 2x4 studding. For door 3 ft. x 7 ft. or smaller opening. Price..... **$4.50**

No. **10-B-414.** Crown mold cap door frame with transom head, not exceeding 2 ft. in height. Price..... **$5.30**

Oak sills for any of above frames, $1.00 per frame extra.

Cement Block, Stone or Brick Wall Door Frames

This frame has a 1½x2 inch clear brick moulding. The jamb is good, sound and practically clear. No sill furnished with this frame.

No. **10-B-106-A.** For 2x6 Jamb.

2 ft. 6 in. x 6 ft. 6 in.	$3.25
2 ft. 8 in. x 6 ft. 8 in.	3.35
3 ft. x 7 ft.	3.55

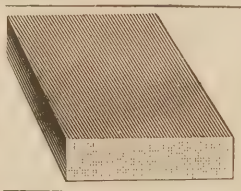
No. **10-B-106.** For 2x8 Jamb.

2 ft. 6 in. x 6 ft. 6 in.	$4.15
2 ft. 8 in. x 6 ft. 8 in.	4.25
3 ft. x 7 ft.	4.40

No. **10-B-106½.** For 2x10 Jamb.

2 ft. 6 in. x 6 ft. 6 in.	$5.10
2 ft. 8 in. x 6 ft. 8 in.	5.30
3 ft. x 7 ft.	5.60

No. **10-B-415.** Plank door frame with transom head, not exceeding 2 feet in height. Add to price above..... **80c**



Outside Casing

10-B-8429½. Price per 100 lineal feet. Size 1⅛x4¼. Clear Fir..... **$6.75**

WINDOW FRAME STOCK

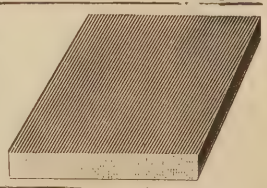
Clear Kiln Dried Fir

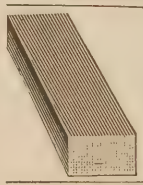
Many carpenters and home builders sometimes prefer to make their own special frames. To meet this demand, we present a complete line of window frame stock which will enable you to make your own frames at lowest possible cost.

Subsill

10-B-8440½ Edges beveled. Size ¾x5¼. Per 100 lineal feet. Clear Fir.

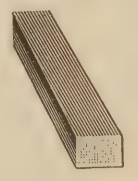
$6.00





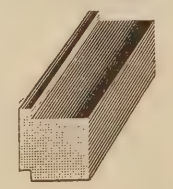
Blindstop

10-B-8430. Per 100 lineal feet. Clear Fir. Size ¾x1⅜ Price..... **$1.95**



Parting Stop

10-B-8432. Per 100 lineal feet. Clear Fir. ½x¾. Price..... **$0.98**

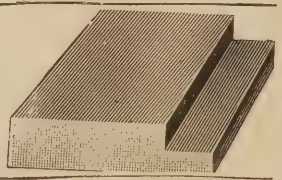


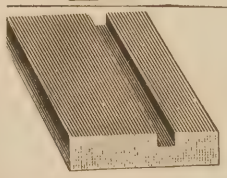
Sill Course

10-B-1672. Size 1⅞x1⅞ inches. Price per 100 lineal feet. Clear Fir..... **$4.20**

Jamb Stock

No. **10-B-8442.** Size 1⅜ in. x 5¼ in. rabbeted, for 1⅜ in. or 1¾ in. doors, clear fir. Per 100 lineal feet **$10.15**



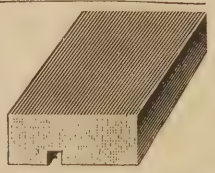


Pulley Stile

10-B-8431½. Plowed parting stop for 1⅜ in. windows. Size ¾x4½. Price per 100 lineal feet. Yel. Pine **$4.50.** Clear Fir **5.40.**

Mainsill

10-B-8439½. Beveled edges and rabbeted for siding. Size 1⅝x3⅝. Sound solid Clear Fir stock. Price per 100 lineal feet..... **$9.00**



Sheathing Paper and Tarred Felt

A Sized Sheating Paper, for ordinary building purposes, made by special process, faced on both sides, thoroughly rosin sized, making it damp-proof and vermin proof. 36 inches wide, containing about 500 sq. ft.

No.	Weight	Price, per Roll
10-B-10X.	20 lbs.	**$1.04**
10-B-11X.	30 lbs.	**1.55**
10-B-12X.	40 lbs.	**1.68**

Used for roofing, sheathing and general building purposes. Made of the best grade of wool felt, carefully selected, thoroughly saturated with distilled tar. Warranted to unroll freely without sticking. Approx. wt. 60 lbs. Rolls 32 inches wide.

10-B-13. Heavy grade No. 1, 225 Sq. Ft. to roll. Price, per roll.....**$2.25**

10-B-14. Medium grade No. 2, 450 Sq. Ft. to roll. Price, per roll.....**$2.40**

Made of the very finest selected grade of wool felt. It is used to deaden sound between floors and walls; used under floors as it adds to the warmth. Rolls 36 inches wide.

10-B-15. Grade No. 1, 450 Sq. Ft. to roll. Per roll.....**$4.16**

10-B-16. Grade No. 2, 450 Sq. Ft. to roll. Per roll.....**$3.85**

Ideal sheathing paper and also used under metal and slate roofs. It can be used in place of red rosin or any other sheathing paper. Put up in rolls 36 inches wide, each roll containing 500 sq. ft. Weight, per roll, approximately, 35 lbs.

10-B-18X. Price, per roll.....**$1.55**

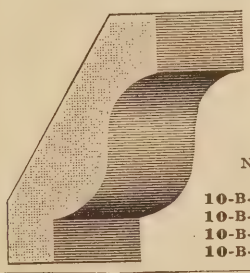
Best grade of Blue Plaster Board manufactured. Strong and tough. Used on clap boards for sheathing and on walls in place of plaster; tacked to the studding and wall paper can be placed over it. Put up in rolls 36 inches wide.

10-B-19. Rolls containing 250 sq. ft. weight 30 lbs. Price.....**$1.75**

10-B-17. Rolls containing 500 sq. ft., weight 60 lbs. Price.....**$3.25**

CLEAR FIR OUTSIDE MOULDINGS!

Crown Mould



Price per 100 lineal feet.

No.	Size	Price Fir
10-B-8000	¾x3¼	$4.25
10-B-8005	¾x4⅝	5.25
10-B-8006	¾x4¼	5.25
10-B-8008	¾x2¼	3.15

Bed Mould

Price per 100 lineal feet.

10-B-8016. Size ¾x1⅝. Price Fir **$2.10**

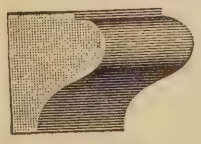
Sprung Cove

Price per 100 lineal feet.

10-B-8024. Size ¾x1⅝. Price Fir.....**$2.10**

10-B-8029. Size ¾x3¼. Price Fir **4.25**

Solid Bed Mould

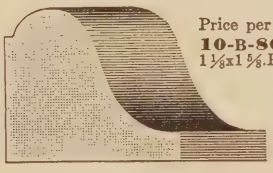


Price per 100 lineal feet.

10-B-8036. Size ¾x1⅛. Price Fir **$1.65**

10-B-8037. Size 1⅛x1⅜. Price Fir **3.15**

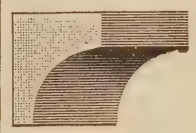
Brick or Stone Mould



Price per 100 lineal feet.

10-B-8038. Size, 1⅛x1⅝. Price Fir **$3.15**

Cove Mould

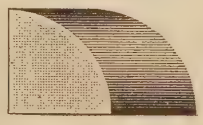


Price per 100 lineal feet.

10-B-8060. Size, ¾x¾. Price Fir **$0.98**

10-B-8061. Size, ¾x1⅛. Price Fir **1.22**

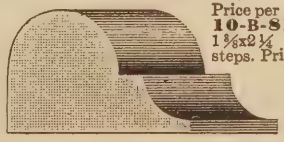
Quarter Round



Price per 100 feet.

10-B-8065. Size, ¾x¾. Price Fir **$0.98**

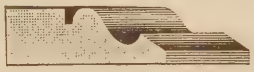
Nosing Mould



Price per 100 lineal feet.

10-B-8125. Size, 1⅜x2¼ for 1⅜ in. steps. Price Fir **$4.50**

Band Moulding



Price per 100 lineal feet.

		Fir
10-B-8178.	Size, ⅝x2 . Price.....	**$2.10**
10-B-8180.	Size, ¾x2½. Price.....	**3.15**

O. G. Stops

Price per 100 lineal feet.

		Fir
10-B-8083.	Size ⅝x1⅛. Price.....	**$0.98**
10-B-8084.	Size, ⅝x1⅜. Price.....	**1.08**
10-B-8085.	Size, ⅝x1⅝. Price.....	**1.38**
10-B-8095.	Size, ½x1⅝. Price.....	**1.95**
10-B-8096.	Size, ½x1⅜. Price.....	**1.47**

Lattice Strips

Price per 100 lineal feet.

10-B-8281. Size, ⅝x1⅜ Price.....Fir.....**$1.08**

10-B-8282. Size, ⅝x1⅝ Price.....Fir..... **1.40**

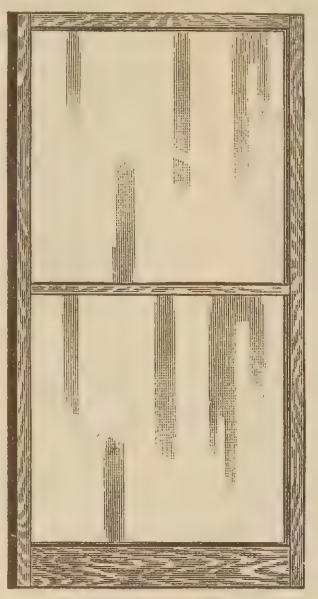
Watertable or Dripcap

Price per 100 lineal feet.

		Fir
10-B-8283.	Size, 1⅛x1⅝. Price.....	**$2.40**
10-B-8284.	Size, 1⅛x2. Price.....	**2.60**
10-B-8285.	Size, 1⅛x2½. Price.....	**3.75**
10-B-8286.	Size, 1⅛x3. Price.....	**5.00**

STORM SASH—CLEAR SOFT WHITE PINE

Glazed Standard, thickness 1⅛ inch. Storm Sash are great fuel savers. Manufactured of Clear White Pine and guaranteed to be of the best manufacture. All listed sizes are generally carried in stock.



2-Light, No. 10-C-89

Size of Glass	Will Fill Opening Wd. ft. in. Ht. ft. in.	Price Glazed Single Strgth. Glass	Price Glazed Double Strgth. Glass
12x20	1- 4⅛x3-11½	$1.28	.....
12x22	1- 4⅛x4- 3½	1.35	.....
12x24	1- 4⅛x4- 7½	1.46	.....
12x26	1- 4⅛x4-11½	1.38	.....
12x28	1- 4⅛x5- 3½	1.66	.....
12x30	1- 4⅛x5- 7½	1.62	.....
14x20	1- 6⅛x3-11½	1.32	.....
14x22	1- 6⅛x4- 3½	1.34	.....
14x24	1- 6⅛x4- 7½	1.63	.....
14x26	1- 6⅛x4-11½	1.61	.....
14x28	1- 6⅛x5- 3½	1.89	.....
14x30	1- 6⅛x5- 7½	1.99	.....
16x16	1- 8⅛x3- 3½	1.27	.....
16x18	1- 8⅛x3- 7½	1.31	.....
16x20	1- 8⅛x3-11½	1.54	$1.95
16x22	1- 8⅛x4- 3½	1.68	2.08
16x24	1- 8⅛x4- 7½	1.75	2.09
16x26	1- 8⅛x4-11½	1.96	2.22
16x28	1- 8⅛x5- 3½	2.06	2.44
16x30	1- 8⅛x5- 7½	2.18	2.62
16x32	1- 8⅛x5-11½	2.32	3.19
16x34	1- 8⅛x6- 3½	2.44	.....
16x36	1- 8⅛x6- 7½	2.77	3.74
18x20	1-10⅛x3-11½	1.68	2.01
18x22	1-10⅛x4- 3½	1.65	.....
18x24	1-10⅛x4- 7½	1.96	2.33
18x26	1-10⅛x4-11½	2.16	2.60
18x28	1-10⅛x5- 3½	2.27	2.71
18x30	1-10⅛x5- 7½	2.39	2.85
18x32	1-10⅛x5-11½	2.41	.....
20x16	2- 0⅛x3- 3½	1.64	.....
20x18	2- 0⅛x3- 7½	1.67	.....
20x20	2- 0⅛x3-11½	1.89	2.27
20x22	2- 0⅛x4- 3½	2.03	2.44
20x24	2- 0⅛x4- 7½	2.16	2.60
20x26	2- 0⅛x4-11½	2.27	2.71
20x28	2- 0⅛x5- 3½	2.39	2.87
20x30	2- 0⅛x5- 7½	2.42	3.04
20x32	2- 0⅛x5-11½	2.82	3.38
20x34	2- 0⅛x6- 3½	2.84	3.74
22x18	2- 2⅛x3- 7½	1.72	.....
22x20	2- 2⅛x3-11½	1.79	.....
22x22	2- 2⅛x4- 3½	1.91	.....
22x24	2- 2⅛x4- 7½	2.27	2.71
22x26	2- 2⅛x4-11½	2.39	2.86
22x28	2- 2⅛x5- 3½	2.53	3.04
22x30	2- 2⅛x5- 7½	2.77	3.32
22x32	2- 2⅛x5-11½	3.00	3.60
22x34	2- 2⅛x6- 3½	2.94	.....
22x36	2- 2⅛x6- 7½	3.35	4.50
24x18	2- 4⅛x3- 7½	1.88	.....
24x20	2- 4⅛x3-11½	2.14	2.59
24x22	2- 4⅛x4- 3½	2.15	.....
24x24	2- 4⅛x4- 7½	2.53	3.04
24x26	2- 4⅛x4-11½	$2.53	$3.06
24x28	2- 4⅛x5- 3½	2.77	3.32
24x30	2- 4⅛x5- 7½	2.98	3.56
24x32	2- 4⅛x5-11½	3.35	4.03
24x34	2- 4⅛x6- 3½	3.38	4.05
24x36	2- 4⅛x6- 7½	3.68	4.42
26x16	2- 6⅛x3- 3½	2.12	.....
26x20	2- 6⅛x3-11½	2.17	.....
26x22	2- 6⅛x4- 3½	2.25	.....
26x24	2- 6⅛x4- 7½	2.53	3.04
26x26	2- 6⅛x4-11½	2.77	3.32
26x28	2- 6⅛x5- 3½	3.05	3.65
26x30	2- 6⅛x5- 7½	3.31	3.97
26x32	2- 6⅛x5-11½	3.35	4.01
26x34	2- 6⅛x6- 3½	3.09	4.62
26x36	2- 6⅛x6- 7½	3.93	4.70
28x20	2- 8⅛x3-11½	2.22	.....
28x22	2- 8⅛x4- 3½	2.37	.....
28x24	2- 8⅛x4- 7½	2.76	3.31
28x26	2- 8⅛x4-11½	3.02	3.62
28x28	2- 8⅛x5- 3½	3.31	3.97
28x30	2- 8⅛x5- 7½	3.33	3.99
28x32	2- 8⅛x5-11½	3.90	4.66
28x34	2- 8⅛x6- 3½	3.72	.....
28x36	2- 8⅛x6- 7½	4.36	5.24
30x20	2-10⅛x3-11½	2.46	.....
30x22	2-10⅛x4- 3½	2.60	.....
30x24	2-10⅛x4- 7½	2.98	3.57
30x26	2-10⅛x4-11½	3.31	3.97
30x28	2-10⅛x5- 3½	3.33	4.00
30x30	2-10⅛x5- 7½	4.23	5.08
30x32	2-10⅛x5-11½	4.28	5.14
30x34	2-10⅛x6- 3½	4.04	.....
30x36	2-10⅛x6- 7½	4.77	5.72
32x24	3- 0⅛x4- 7½	3.35	4.01
32x26	3- 0⅛x4-11½	3.42	.....
32x28	3- 0⅛x5- 3½	3.90	4.69
32x30	3- 0⅛x5- 7½	4.28	5.14
32x36	3- 0⅛x6- 7½	4.61	.....
34x26	3- 2⅛x4-11½	3.38	.....
34x28	3- 2⅛x5- 3½	3.93	4.71
34x30	3- 2⅛x5- 7½	4.75	5.70
36x24	3- 4⅛x4- 7½	3.80	.....
36x26	3- 4⅛x4-11½	3.89	.....
36x28	3- 4⅛x5- 3½	4.36	5.92
36x30	3- 4⅛x5- 7½	4.13	.....
36x32	3- 4⅛x5-11½	4.34	.....
40x26	3- 8⅛x4-11½	4.26	.....
40x28	3- 8⅛x5- 3½	.....	6.78
44x28	4- 0⅛x5- 3½	.....	7.47
44x30	4- 0⅛x5- 7½	.....	8.70

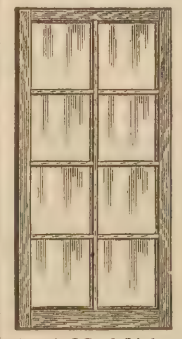
We can furnish above size storm sash changed to 4 lights, like our No. 10-C-91 on page 2, at 50c per sash extra

10-C-91

4 Light Storm Sash

1⅛ inches thick, made from Clear Soft Pine and carried in stock in the following sizes, only:

No. 10-C-91 Size of Glass	Will Fill Opening Width Height ft. in. ft. in.	Price Glazed Single Strength Glass
10x20	2- 1x3-11½	$1.89
10x22	2- 1x4-3 ½	1.99
10x24	2- 1x4- 7½	2.16
10x26	2- 1x4-11½	2.32
10x28	2- 1x5- 3½	2.46
10x30	2- 1x5- 7½	2.61
10x32	2- 1x5-11½	2.88
12x20	2- 5x3-11½	2.13
12x22	2- 5x4- 3½	2.30
12x24	2- 5x4- 7½	2.51
12x26	2- 5x4-11½	2.65
12x28	2- 5x5- 3½	2.84
12x30	2- 5x5- 7½	3.15
12x32	2- 5x5-11½	3.31
12x34	2- 5x6- 3½	3.45
12x36	2- 5x6- 7½	3.60
14x20	2- 9x3-11½	2.34
14x22	2- 9x4- 3½	2.65
14x24	2- 9x4- 7½	2.82
14x26	2- 9x4-11½	2.94
14x28	2- 9x5- 3½	3.38
14x30	2- 9x5- 7½	3.52
14x32	2- 9x5-11½	3.76
14x34	2- 9x6- 3½	3.94
14x36	2- 9x6- 7½	4.04
15x30	2-11x5- 7½	3.85
15x32	2-11x5-11½	3.98



10-C-93 8-Light

8 Light Storm Sash

1⅛ inches thick, made from Clear Soft Pine and carried in stock in the following sizes only:

No. 10-C-93 Size of Glass	Will Fill Opening Width Height ft. in. ft. in.	Price Glazed Single Strength Glass
8x10	1- 9x3-11½	$1.68
9x12	1-11x4- 7½	2.01
9x14	1-11x5- 3½	2.26
10x12	2- 1x4- 7½	2.16
10x14	2- 1x5- 3½	2.40
10x16	2- 1x5-11½	2.88
12x14	2- 5x5- 3½	2.83
12x16	2- 5x5-11½	3.15
14x16	2- 9x5-11½	3.55

10-C-92 12-Ligh

12 Light Storm Sash

1⅛ inches thick, made from Clear Soft Pine and carried in stock in the following sizes only:

No. 10-C-92 Size of Glass	Will Fill Opening Width Height ft. in. ft. in.	Price Glazed Single Strength Glass
8x10	2- 4½x3-11½	$2.27
8x12	2- 4½x4- 7½	2.54
9x12	2- 7½x4- 7½	2.74
9x14	2- 7½x5- 3½	3.05
10x12	2-10½x4- 7½	2.96
10x14	2-10½x5- 3½	3.29
10x16	2-10½x5-11½	3.97
12x14	3- 4½x5- 3½	3.99
12x16	3- 4½x5-11½	4.38
12x18	3- 4½x6- 7½	4.85

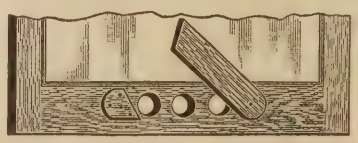
10-C-90 3 Light

3 Light Cottage Front Storm Sash

1⅛ inches thick, made from Clear Soft Pine and carried in stock in the following sizes only:

No. 10-C-90 Size of Glass Bottom	Top	Will Fill Opening Width Height ft. in. ft. in.	Price Glazed Double Strcth. Glass
40x40	40x14	3-8⅛x5- 1½	$ 6.93
40x42	40x14	3-8⅛x5- 3½	7.50
40x40	40x16	3-8⅛x5- 3½	7.44
40x44	40x16	3-8⅛x5- 7½	8.57
44x40	44x16	4-0⅛x5- 3½	8.89
44x44	44x16	4-0⅛x5- 7½	10.16
44x48	44x16	4-0⅛x5-11½	10.78
44x46	44x18	4-0⅛x5-11½	10.31
44x50	44x18	4-0⅛x6- 3½	11.03

VENTILATORS—Customers who desire ventilators in the bottom of their storm sash will please specify so on their order and add 20c per sash extra for same.



FULL SIZE WINDOW SCREENS

GUARANTEED QUALITY

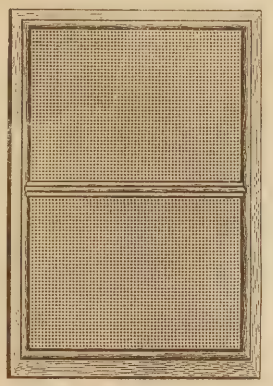
The screens listed below are made of CLEAR WHITE PINE lumber, 1⅛" thickness. Mortised, tenoned and pinned. First quality black wire, standard mesh. Black wire is recommended by us as the most economical and best value for the money —because we use best quality wire that will not require painting for several years, at which time galvanized wire generally has to be painted as well. Keep your screens in a dry place in winter; give them a coat of our Screen Enamel No. 931 about every two years and they will last indefinitely. Our screens are painted a coat of black paint and are ready to install. You do not have the additional expense and muss of painting them.

HOW TO MEASURE

Screens listed below are FULL SIZE; by that is meant they cover the whole window. Take a rule and measure the "width" first and the "height" second of the window frame into which you want your screens to fit—ALWAYS GIVING "WIDTH" FIRST AND "HEIGHT" SECOND. If you cannot measure the size of the entire opening, state the size of the panes of glass in your window and the total number of them, always giving width first.

ALL KINDS OF SCREENS MADE TO ORDER

The screens here listed are carried in stock in large quantities, but in the event that you do not find the size you need, remember that we are in a position to make to order for you screens of any special size at lowest prices. Also screens with GALVANIZED WIRE and COPPER BRONZE WIRE.



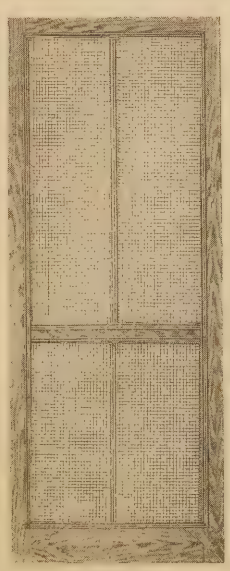
Full sized screens like this cover the entire window. They allow utmost ventilation and keep out mosquitoes and flies.

Screens No. 10-C-527 Size of Screen Over All ft in ft. in.	Will Fit 2 Light Window Glass Size of Each Sash Inches	PRICE EACH
1- 4⅛x3-11½	12x20	$0.98
1- 4⅛x4- 7½	12x24	1.04
1- 4⅛x4-11½	12x26	1.09
1- 4⅛x5- 3½	12x28	1.12
1- 4⅛x5- 7½	12x30	1.15
1- 6⅛x3-11½	14x20	1.01
1- 6⅛x4- 7½	14x24	1.09
1- 6⅛x5- 3½	14x28	1.18
1- 8⅛x3-11½	16x20	1.07
1- 8⅛x4- 7½	16x24	1.15
1- 8⅛x4-11½	16x26	1.18
1- 8⅛x5- 3½	16x28	1.25
1- 8⅛x5- 7½	16x30	1.26
1-10⅛x3-11½	18x20	1.09
1-10⅛x4- 7½	18x24	1.18
1-10⅛x4-11½	18x26	1.25
1-10⅛x5- 3½	18x28	1.29
1-10⅛x5- 7½	18x30	1.33
2- 0⅛x3-11½	20x20	1.15
2- 0⅛x4- 3½	20x22	1.19
2- 0⅛x4- 7½	20x24	1.23
2- 0⅛x4-11½	20x26	1.30
2- 0⅛x5- 3½	20x28	1.34
2- 0⅛x5- 7½	20x30	1.38
2- 1⅛x3-11½	21x20	1.18
2- 1⅛x4- 7½	21x24	1.30
2- 1⅛x4-11½	21x26	1.36
2- 1⅛x5- 3½	21x28	1.42
2- 1⅛x5- 7½	21x30	1.44

Screens No. 10-C-527 Size of Screen Over All ft in ft. in.	Will Fit 2 Light Window Glass Size of Each Sash Inches	PRICE EACH
2- 2⅛x3-11½	22x20	$1.18
2- 2⅛x4- 7½	22x24	1.30
2- 2⅛x4-11½	22x26	1.36
2- 2⅛x5- 3½	22x28	1.42
2- 2⅛x5- 7½	22x30	1.44
2- 4⅛x3- 7½	24x18	1.18
2- 4⅛x3-11½	24x20	1.25
2- 4⅛x4- 3½	24x22	1.30
2- 4⅛x4- 7½	24x24	1.36
2- 4⅛x4-11½	24x26	1.41
2- 4⅛x5- 3½	24x28	1.46
2- 4⅛x5- 7½	24x30	1.50
2- 4⅛x5-11½	24x32	1.57
2- 5⅛x3-11½	25x20	1.27
2- 5⅛x4- 7½	25x24	1.38
2- 5⅛x4-11½	25x26	1.44
2- 5⅛x5- 3½	25x28	1.50
2- 5⅛x5- 7½	25x30	1.55
2- 5⅛x5-11½	25x32	1.62
2- 6⅛x3- 3½	26x16	1.26
2- 6⅛x3-11½	26x20	1.26
2- 6⅛x4- 3½	26x22	1.32
2- 6⅛x4- 7½	26x24	1.38
2- 6⅛x4-11½	26x26	1.40
2- 6⅛x5- 3½	26x28	1.41
2- 6⅛x5- 7½	26x30	1.50
2- 6⅛x5-11½	26x32	1.60
2- 8⅛x3-11½	28x20	1.33
2- 8⅛x4- 7½	28x24	1.44
2- 8⅛x4-11½	28x26	1.50
2- 8⅛x5- 3½	28x28	1.55
2- 8⅛x5- 7½	28x30	1.62
2- 8⅛x5-11½	28x32	1.70

Screens No. 10-C-527 Size of Screen Over All ft in ft. in.	Will Fit 2 Light Window Glass Size of Each Sash Inches	PRICE EACH
2- 9⅛x3-11½	29x30	$1.34
2- 9⅛x4- 3½	29x22	1.50
2- 9⅛x4- 7½	29x24	1.50
2- 9⅛x4-11½	29x26	1.56
2- 9⅛x5- 3½	29x28	1.62
2- 9⅛x5- 7½	29x30	1.66
2- 9⅛x5-11½	29x32	1.76
2- 9⅛x6- 3½	29x34	1.82
2- 9⅛x6- 7½	29x36	1.87
2-10⅛x4- 7½	30x24	1.50
2-10⅛x4-11½	30x26	1.55
2-10⅛x5- 3½	30x28	1.62
2-10⅛x5- 7½	30x30	1.66
2-10⅛x5-11½	30x32	1.76
3- 0⅛x4- 7½	32x24	1.56
3- 0⅛x4-11½	32x26	1.62
3- 0⅛x5- 3½	32x28	1.66
3- 0⅛x5- 7½	32x30	1.73
3- 0⅛x5-11½	32x32	1.82
3- 4⅛x4- 7½	36x24	1.66
3- 4⅛x4-11½	36x26	1.70
3- 4⅛x5- 3½	36x28	1.79
3- 4⅛x5- 7½	36x30	1.86
3- 4⅛x5-11½	36x32	1.92
3- 8⅛x4- 7½	40x24	1.73
3- 8⅛x4-11½	40x26	1.79
3- 8⅛x5- 3½	40x28	1.87
3- 8⅛x5- 7½	40x30	1.95
3- 8⅛x5-11½	40x32	2.02
4- 0⅛x5- 3½	44x28	3.75
4- 0⅛x5- 7½	44x30	3.86

Quality Screen Doors



"FLORIDA"
No. 10-C-501

"Florida" Screen Door

Made of all WHITE PINE LUMBER, 1⅛" thick, free and clear of knots. Mortised, tenoned, pinned and glued. Black wire screen. The frame is painted with one good coat of black, door is ready to hang, and saves you the expense and muss of painting. This is a good, solid, well made, low priced screen door. Good value for the money.

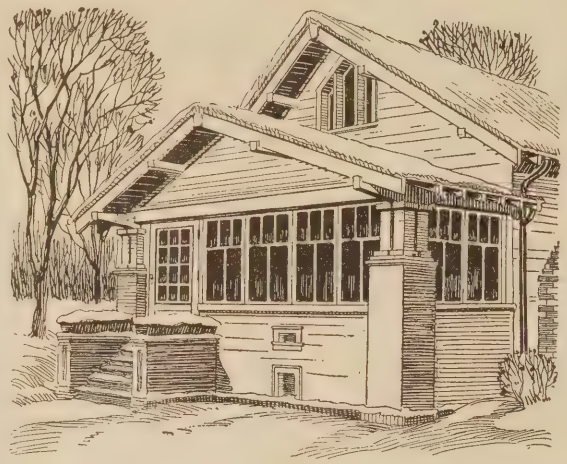
"Madison" Screen Door

Made of all WHITE PINE CLEAR LUMBER, no knots or defects, best workmanship. Joints mortised, tenoned, glued and pinned. The wood is covered with **two coats of waterproof varnish**— the finish is the natural wood finish. Stock carried in black wire only. Galvanized and copper bronze **wired door to order.**

"FLORIDA" No. 10-C-501			"MADISON" No. 10-C-502		
Width	Height	PRICE	Width	Height	PRICE
2′ 6″	6′ 6″	$2.80	2′ 6″	6′ 6″	$3.65
2′ 8″	6′ 8″	2.91	2′ 8″	6′ 8″	3.77
2′10″	6′10″	3.03	2′10″	6′10″	3.88
2′ 8″	7′ 0″	2.96	2′ 8″	7′ 0″	3.83
2′10″	7′ 0″	3.06	2′10″	7′ 0″	3.92
3′ 0″	7′ 0″	3.14	3′ 0″	7′ 0″	4.02

"MADISON"
No. 10-C-502

Glazed Sash for Enclosed Porches



Build your own inclosed all weather porches, with our standard sized sash and save half

Clear White Pine Sash—1⅛ Inch Thick

No. 10-C-1230

No. 10-C-1231

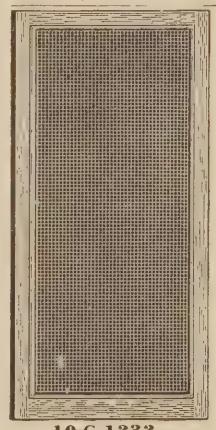
High grade sash, manufactured of clear white pine, well mortised, tenoned and pinned. These are manufactured the same as all our high grade windows and satisfaction is assured. Note that screens are shown on the lower half of the page so that you can use our standard screens with our standard sash. Sash are made with 2″ face top and side rail, 3″ face bottom rail. All bars are ½″ between glass, clear white pine.

No. 10-C-1230

Outside Measure Wide	Outside Measure High	Height Top Gl.	Price, Glazed	Outside Measure Wide	Outside Measure High	Height Top Gl.	Price, Glazed
2′0″	4′0″	14″	$2.32	2′0″	5′0″	18″	$2.62
2′2″	4′0″	"	2.42	2′2″	5′0″	"	2.74
2′4″	4′0″	"	2.52	2′4″	5′0″	"	2.94
2′6″	4′0″	"	2.62	2′6″	5′0″	"	3.16
2′0″	4′6″	16″	2.42	2′0″	5′6″	20″	2.74
2′2″	4′6″	"	2.52	2′2″	5′6″	"	2.94
2′4″	4′6″	"	2.74	2′4″	5′6″	"	3.12
2′6″	4′6″	"	2.80	2′6″	5′6″	"	3.40

No. 10-C-1231

Outside Measure Wide	Outside Measure High	Price, Glazed	Outside Measure Wide	Outside Measure High	Price, Glazed
2′0″	4′0″	$2.26	2′0″	5′0″	$2.57
2′2″	4′0″	2.37	2′2″	5′0″	2.69
2′4″	4′0″	2.49	2′4″	5′0″	2.88
2′6″	4′0″	2.55	2′6″	5′0″	3.12
2′0″	4′6″	2.37	2′0″	5′6″	2.69
2′2″	4′6″	2.42	2′2″	5′6″	2.88
2′4″	4′6″	2.68	2′4″	5′6″	3.08
2′6″	4′6″	2.74	2′6″	5′6″	3.33



10-C-1232

Screens for Enclosed Porches

These screens are designed for inclosing all weather porches and are made in the same standard sizes as the glazed porch sash above. It is a simple task to build the porch frames and fit sash in screens to fill the openings. Do the work in your leisure time and save half the cost. An inclosed porch with screens for summer and glazed sash for winter will give you comfort and convenience of an added room and increase the valuation of your property.

No. 10-C-1232—Porch Screens—frames 1⅛ in. Thick

Outside Measure Wide	Outside Measure High	Price, Each	Outside Measure Wide	Outside Measure High	Price, Each	Outside Measure Wide	Outside Measure High	Price, Each	Outside Measure Wide	Outside Measure High	Price, Each
2′0″	4′0″	$1.12	2′0″	4′6″	$1.26	2′0″	5′0″	$1.40	2′0″	5′6″	$1.54
2′2″	4′0″	1.22	2′2″	4′6″	1.37	2′2″	5′0″	1.51	2′2″	5′6″	1.67
2′4″	4′0″	1.31	2′4″	4′6″	1.47	2′4″	5′0″	1.64	2′4″	5′6″	1.79
2′6″	4′0″	1.40	2′6″	4′6″	1.58	2′6″	5′0″	1.75	2′6″	5′6″	1.93

These screens can be furnished in galvanized or copper wire. Write for special prices.

Window Screen Frame Material

CLEAR KILN DRIED LUMBER

SCREEN MOULDING

No. **10-C-598.** Screen moulding for covering screen wire where it is nailed to edges of stiles and rails. Size, ¾x¾ inches. White Pine, Price per lineal foot..... **1c**

CENTER RAIL

No. **10-C-600.** Used for center rail of screen frames. Size, ¾x1⅛ inches. Fir, Price, per lineal foot..... **1½c**
Size 1⅛x1⅛ inches. White Pine, Price, per lineal foot.. **2c**

TOP AND SIDE RAIL

No. **10-C-595.** Top and side rail for making screen frames. Size ¾x1⅝ inches. Fir, Price, per lineal foot..... **2c**
Size 1⅛x1⅝ inches. White Pine, Price, per lineal foot. **3½c**

BOTTOM RAIL

No. **10-C-596.** Used for bottom rail of screen frames. Size ¾x2⅝ inches. Fir, Price, per lineal foot..... **3c**
Size 1⅛x2⅝ inches. White Pine, Price, per lineal foot.. **5c**
(Also used for bottom rail of half screens.)

SLIDE STRIPS

No. **10-C-602.** Slide strips for side rails of half screens. Size ¼x⅜ inches. White Pine, Price, per lineal foot.. **1c**

No. **10-C-603.** Grooved side rails for half screens. Size ¾x1⅝ inches. Fir, Price, per lineal foot..... **3c**
Size 1⅛x1⅝ inches. White Pine, Price, per lineal foot. **3½c**

Combination Storm-Screen Doors

Quickly and Easily Changed to a Storm Door in Winter—a Screen Door in Summer

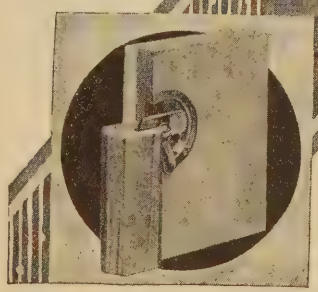
These are genuine "Presto-Change" combination doors with the patented quick change locking device, rattle and fool-proof, not the kind of doors where sections are fastened with hooks and eyes. Our splendid combination doors feature latest and best construction—cost no more, but are much better.

2 Doors at the Price of One

Our Combination Doors have reduced the changing time to a few minutes, and it is so simple that a child can make the change.

The removable sections and openings in door are both rabbetted so that when section is in place there is a double lap joint which, together with improved patented fasteners, makes the door dust-proof and weather-proof. **Furnished Complete as shown, with Storm and Screen Sections.**

"LEADER" door, illustrated at left, is a good, substantial door, made of White Pine Lumber. The opening for the storm and screen sections is 43⅛ inches high in all width doors. The storm section is divided into four (4) lights, and is glazed, while the Screen Section is covered with 12-mesh Black Wire. We carry these doors in stock Painted Gray ONLY. 1⅛ inch thick. Weight 70 lbs.



$6.40

"LEADER" Combination Storm and Screen Door No. 10-B-1753

1⅛ Inch Thick

Prices of "Leader" Screen-Storm Door

Regular Door Size ft. in. ft. in.	1⅛" Thick Door Size ft. in. ft. in.	Price, each Painted Gray 10-B-1753
2- 6x6- 6	2- 6¾ x 6- 7	$6.40
2- 8x6- 8	2- 8¾ x 6- 9	6.71
2- 8x7- 0	2- 8¾ x 7- 1	6.77
2-10x6- 8	2-10¾ x 6- 9	6.82
2-10x6-10	2-10¾ x 6-11	6.86
2-10x7- 0	2-10¾ x 7- 1	6.93
3- 0x6- 8	3- 0¾ x 6- 9	7.05
3- 0x7- 0	3- 0¾ x 7- 1	7.25

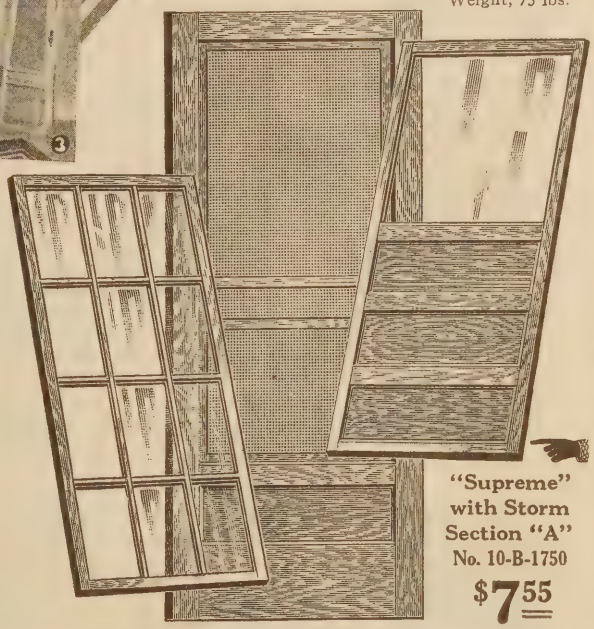
Quickly Changed No Screws or Bolts to Bother With. Any Child Can Make the Change.

This improved patented fastener holds the sections securely in place—fly-proof, dust and weather-proof. Doors are quickly changed within a few moments.

"SUPREME"

doors, illustrated below, are made of CLEAR WHITE PINE, 1⅛ in. thick, first class construction. **Galvanized screen** wire is used on screen section.

The storm section can be furnished in two different designs as illustrated—"A" and "AA"—and the screen section in one style only, as shown in cut. The opening for the removable panels is 4 feet 8½ inches high in all width doors. Weight, 75 lbs.



"Supreme" with Storm Section "AA"

No. 10-B-1751

$7.90

Please Be Sure to State Which Storm Section Is Wanted When You Order

"Supreme" with Storm Section "A"

No. 10-B-1750

$7.55

Prices of the "Supreme" Screen-Storm Door

Regular Door Size ft. in. ft. in.	1⅛ Inch Thickness "Supreme" Door Size ft. in. ft. in.	10-B-1750 With Storm Section "A" Clear W. Pine. Not Varnished	10-B-1751 With Storm Section "AA" Clear W. Pine. Not Varnished
2- 8 x 6- 8	2- 8¾ x 6- 9	$7.55	$7.90
2- 8 x 7- 0	2- 8¾ x 7- 1	7.66	8.05
2-10 x 6- 8	2-10¾ x 6- 9	7.69	8.14
2-10 x 6-10	2-10¾ x 6-11	7.78	8.17
2-10 x 7- 0	2-10¾ x 7- 1	7.83	8.26
3- 0 x 6- 8	3- 0¾ x 6- 9	8.03	8.42
3- 0 x 7- 0	3- 0¾ x 7- 1	8.14	8.45

Shipping Weight, approximately 75 pounds.

LUMBER! All Guaranteed Grades

The lumber we handle here at our Main Plant and Factory at Chicago is all guaranteed up-to-grade lumber. Common dimension lumber, common boards, sheathing, timbers, etc., are not recommended to be ordered in small quantities to be shipped by local freight, as local freight rates are too high.

However, there are many other items of lumber that are higher in value, lighter in weight and in some neighborhoods difficult to obtain. We are offering on these pages items that can be shipped in less than carload lots to advantage—especially is this true on such items as siding of all kinds, Byrkit lath and hardwood flooring, etc.

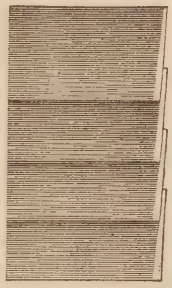
All our dimension and sheathing lumber items are carried in stock for the manufacture of our Guaranteed Permanent Harris Homes (if you contemplate building a new home, send for FREE beautiful Plan Book; see back cover), and our Patented PRESTO-UP Bolt-Together Garages and Cottages. These alone require millions upon millions of feet of best quality lumber every year.

Prices quoted on lumber in these pages are F. O. B. cars Chicago, and good only at the time of publication of catalog and are shown so that you can make a comparison of the values in the different grades and kinds of material offered.

They are subject to change without notice. You may send your order in at these prices and we will notify you of any change before entering the order. If prices have been reduced since publication of catalog, your order will be shipped and balance refunded. If prices have advanced, you will be advised before your order is entered and you can send the additional amount or cancel the order. In the event of cancellation, the amount you remitted will be refunded, provided you do not care to apply it on a new order for other material.

On this you can depend, that material we furnish will be quality material, correct count and grade, carefully shipped and safe delivery guaranteed.

Siding, Flooring, Ceiling, Byrkits Patent Lath, Stucco Lath, Drop Siding, Brick Siding, Colonial Siding



Bevel Siding

Also known as "Weather-Boarding Split Siding," "Clap Boards or Lap Siding." Red Wood and Spruce. Machined to standard width and thickness. Standard bundling, consists of regular lengths 4 to 16 ft. All prices per 100 feet, Board Measure. Weight, 80 lbs. per 100 feet.

Note: Order by number. State size, grade and kind of wood wanted. Also for your protection, please state size of space you intend covering.

Number	Size	Grade	Wood	Price
22-C-711	½ x 4	Clear	Spruce	**$4.80**
22-C-712	½ x 6	Clear	Spruce	**5.00**
22-C-713	½ x 4	Clear	Red Wood	**4.80**
22-C-714	½ x 6	Clear	Red Wood	**5.00**
22-C-715	½ x 8	Clear	Red Wood	**6.20**

Colonial Siding

This popular wide siding, also known as Channel-Rustic siding, is the kind you see used so much on high class Colonial and Dutch Colonial Houses. Numerous modern California Bungalows in the best residential districts are being built with this material specified. When painted white, it makes a most striking appearance. Best grade kiln dried lumber only.

No. 22-B-7201. 1x10 inch clear Fir Colonial siding. Weight, 210 lbs. Price per 100 feet. B. M...**$7.70**

No. 118
22-C-7149

Drop Siding

Also known as "Novelty Siding," "Rustic Siding," "German or Dutch Siding," "Patent Siding."

This kind of siding is used where sheathing boards are not used.

Machined to standard widths and thickness. Prices are for assorted lengths 6 to 16 feet and longer. Very small amount of 6 and 8 ft. Pattern No. 106 always in stock.

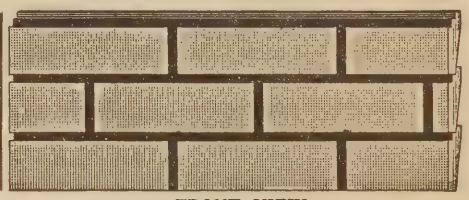
No. 106
22-C-7148

Price per 100 ft. B. M. Weight per 100 ft.

Number	Size	Grade	Wood	Price	Weight
22-C-7149	1x6	Clear	Oregon Fir	**$6.20**	190 lbs.
22-C-7148	1x6	Clear	Oregon Fir	**6.00**	190 lbs.

Patented Cypress Brick Siding

The illustration gives a general view of siding as applied. Sample sent on receipt of 10c in stamps.



FRONT VIEW

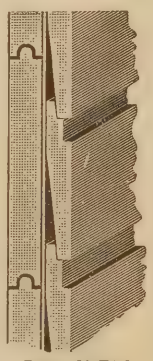
SOMETHING ENTIRELY NEW

Wood imitation brick siding is the only practical improvement in house siding within the last quarter century. Substantial, durable and inexpensive. Applied similar to novelty or drop siding, but has a decided advantage over any other material. The perfection of the recessed "mortar" joints made by patented automatic machinery produces an effect resembling "raked" mortar joints, yet more beautiful.

Made of 4-inch clear cypress strips. When applied gives the appearance of a brick veneered house. Quickly and easily painted with our paint guards described below. Many beautiful effects in outside decoration can be obtained.

Carpenters and builders are invited to study wood brick siding, its uses and possibilities for new walls as well as modernizing old houses. Many uses for outdoor and interior decoration or wherever the brick effect is desired.

Weight, 60 lbs. per 100 ft. B. M.



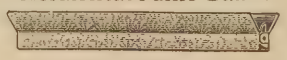
END VIEW

No. 22-C-716. 4-inch clear cypress brick siding. Lots of less than 500 feet. Price per 100 ft. B. M.....**$6.90**

No. 22-C-717. As above, 500 feet or more, per 100 ft. B. M..... **6.60**

Paint Guards for Above

Horizontal Paint Guard



Paint guards are made of galvanized iron with hinged spring tension—makes the painting of mortar joints quick and easy. Simply set the guard in joint and slide it along with paint brush inserted. Any one can do it.

No. 22-B-719. Price, each....**30c**

Vertical Paint Guard

Used in same manner as horizontal guard, except that it is smaller, to fit vertical joints.

No. 22-B-721. Each.....**15c**

Continuation of Prices on LUMBER!

Flooring—Ceiling—Stucco Lath—Hardwood Flooring

Yellow Pine and Fir

House Flooring

Best quality. Correctly manufactured and thoroughly kiln dried.

Price per 100 ft. B. M.
Weight 200 lbs. per 100 ft.
Assorted lengths 8 to 20 ft.

Number	Finished size	Grade	Wood	Price
22-C-7120	¾x3¼	Clear	Flat Sawed Fir	$6.00
22-C-7122	¾x3¼	Clear	Flat Sawed Y. Pine	7.00
22-C-7126	¾x2¼	Clear	Flat Sawed Y. Pine	8.00

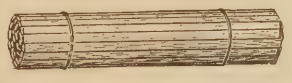
Above are the highest grades made. Shipped carefully bundled. Y. P. means Yellow Pine, or Southern Hard Pine.

Fir Porch Flooring

We recommend Fir especially for the purpose of porch floors. It wears better because it is not as soft as Soft Pine and some other woods now being endorsed for Porch floors. This close knit fibrous Fir of the Western Slope, in our opinion, has all other woods backed off the boards for porch floors.

Price per 100 feet B. M. Weight 200 lbs. per 100 ft.

Number	Size	Grade and Kind	Lengths	Price
22-C-7137	¾x3¼	Clear Flat Grain Fir	6 to 9 ft.	$5.50
22-C-7138	¾x3¼	Clear Edge Grain Fir	6 to 9 ft.	6.90



Plastering Lath

Always in stock. Full thickness and width. Mixed Northern pines, No. 1 grade. 32" lath. Weight, 325 per 1000.

Low Prices per 1,000 Pieces.

22-B-7165. 32-inch Lath, Northern Pine..... $ 5.50
22-C-7166. 48-inch Lath, Northern Pine..... 11.00

48-inch Lath, weight, 500 lbs. per 1,000.

Creosoted Red Cedar Shingles

"HARRIS BEST"

25 to 40-year Roof

This is, in our opinion, the best roof shingle made. Clear lumber—all heart wood—no-sap and ¼ sawed, creosoted with best quality creosote and stained. Shingles used are best 5XB.C. clears, 5/2 thickness, 16" long. When applied with galvanized nails, will last 25 years; zinc coated nails, 40 years. Weight, 144 lbs. per square.

22-B-5420. Color, rich brown. Price per square..... $10.00
22-B-5421. Color, moss green. Price per square..... 10.30

Sold only by the square, 4 bunches to the square, to be laid 5 inches to the weather.

Washington Red Cedar Shingles

NOT CREOSOTED OR STAINED

22-C-7140. Extra Star A Star 16-inch, 6 to 2 butts. Weight, 160 lbs. Price, per M..... $5.00

22-C-5415. Extra Clear, 16-inch, 5 to 2 butts. Highest grade made. Weight, 180 lbs. Price, per M..... 5.75

4 Bunches to the M.

Oak and Maple

Hardwood Flooring

Perfectly Manufactured, Guaranteed Grades

Kiln Dried, End Matched, Tongued and Grooved

Nature has particularly favored these splendid and most substantial of all American hardwoods. Their very names stand for durability.

There is a hardwood flooring grade for every flooring purpose—from public building to private home and from castle to cottage.

A well informed landlord knows that hardwood flooring commands a higher rental, and at the same time attracts a better class of tenants. The real estate dealer who builds to sell, knows that they are his "one best bet."

The most convincing endorsement as to the superior merits of hardwood flooring is found in its steadily increasing use for every type of building both private and public.

NOTE—Order by number. State size, grade and kind of wood wanted. Also for your protection, please state size of space you intend covering.

Price per 100 feet Board Measure. Standard lengths.

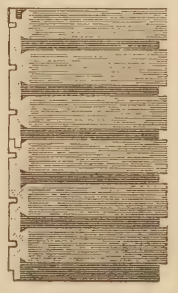
Number	Finished Size	Grade	Wood	Price	Weight
22-C-5311	⅜x2	Select	Maple	$6.00	100 lbs. per 100 ft.
22-C-5314	⅜x2	Clear	Maple	8.50	
22-C-5316	⅜x2	Select	Oak	7.00	
22-C-5320	⅜x2	Clear	Oak	8.50	
22-C-7155	⅝x2¼	Clear	Maple	12.00	200 lbs. per 100 ft.
22-C-7156	⅝x2¼	Select	Maple	11.00	
22-C-7157	⅝x2¼	Clear	Red Oak	12.00	
22-C-7158	⅝x2¼	Select	Red Oak	11.00	
22-C-7159	⅝x2¼	"C" & Btr.	Red Oak	8.30	

Ceiling—Wainscot and Partition

For porches, under eaves, wainscot, ceiling, etc. All tongued, grooved and beaded, smoothly machined. Kiln dried, suitable for natural finish. Assorted lengths, 6 ft. to 16 ft.

Number	Finished Size	Grade	Wood	Price 100 ft. B. M.	Wgt. per 100 ft.
22-C-7151	⅝x3¼	Clear	Oregon Fir	$4.70	140
22-C-7153	¾x5¼	Clear	Oregon Fir	6.30	200
22-C-7154	¾x5¼	No. 1C	Yellow Pine	6.00	200

Byrkits Patent Sheathing Lath or Stucco Lath

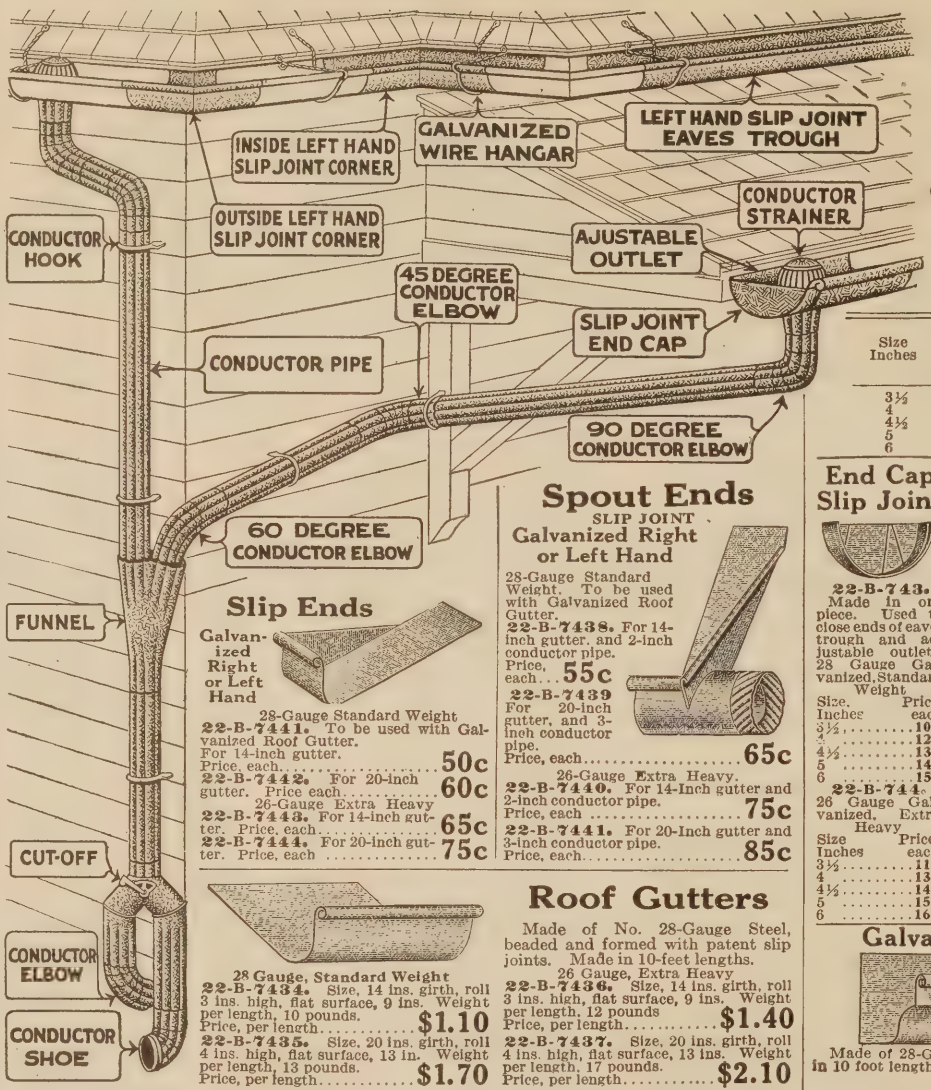


Used in place of sheathing boards when wall is to be covered with stucco.

Furnished in random lengths. Tongued and grooved or square edged subject to stock on hand. This material is usually offered in No. 3 grade. We have not found this grade satisfactory therefore we are offering No. 2 and better grade which means No. 1 and 2 mixed. Weight, 165 lbs. per 100 ft.

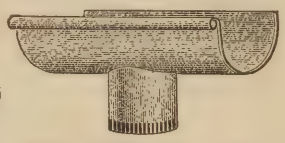
22-B-7139. 1x6 inch. Lengths, 4 to 16 feet. Per 100 feet, B. M. $4.00

Galvanized Eaves Trough



Adjustable Outlet

Consists of about 8 inches of trough, with drop outlet soldered on bottom to connect to the conductor pipe.



Size Inches	For Conductor Pipe Size	22-B-745 28 gauge Price	22-B-746 26 gauge Price
3½	2″	28c	35c
4	2″	30c	39c
4½	3″	34c	40c
5	3″	35c	42c
6	4″	41c	51c

Spout Ends

SLIP JOINT

Galvanized Right or Left Hand

28-Gauge Standard Weight. To be used with Galvanized Roof Gutter.

22-B-7438. For 14-inch gutter, and 2-inch conductor pipe. Price, each... **55c**

22-B-7439 For 20-inch gutter, and 3-inch conductor pipe. Price, each..... **65c**

26-Gauge Extra Heavy.

22-B-7440. For 14-Inch gutter and 2-inch conductor pipe. Price, each **75c**

22-B-7441. For 20-Inch gutter and 3-inch conductor pipe. Price, each..... **85c**

Slip Ends

Galvanized Right or Left Hand

28-Gauge Standard Weight

22-B-7441. To be used with Galvanized Roof Gutter. For 14-inch gutter. Price, each..... **50c**

22-B-7442. For 20-inch gutter. Price each..... **60c**

26-Gauge Extra Heavy

22-B-7443. For 14-inch gutter. Price, each..... **65c**

22-B-7444. For 20-inch gutter. Price, each **75c**

End Cap Slip Joint

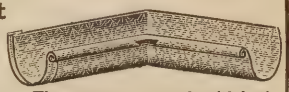
22-B-743. Made in one piece. Used to close ends of eaves trough and adjustable outlets. 28 Gauge Galvanized, Standard Weight

Size. Inches	Price, each
3½	10c
4	12c
4½	13c
5	14c
6	15c

22-B-744. 26 Gauge Galvanized, Extra Heavy

Size Inches	Price, each
3½	11c
4	13c
4½	14c
5	15c
6	16c

Galvanized Corner Mitre



These corners are made with both inside and outside bead. Be sure to order according to number.

28-Gauge Galvanized, Standard Weight

22-B-747. Outside corner, right hand.

22-B-748. Outside corner, left hand.

22-B-749. Inside corner, right hand.

22-B-7410. Inside corner, left hand.

Size, inches...	3½	4	4½	5	6
Price, each...	25c	27c	35c	40c	45c

26 Gauge Galvanized, Extra Heavy

22-B-7411. Outside corner, right hand.

22-B-7412. Outside corner, left hand.

22-B-7413. Inside corner, right hand.

22-B-7414. Inside corner, left hand.

Size, inches...	3½	4	4½	5	6
Price, each...	35c	38c	40c	45c	52c

Roof Gutters

Made of No. 28-Gauge Steel, beaded and formed with patent slip joints. Made in 10-feet lengths.

28 Gauge, Standard Weight

22-B-7434. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 10 pounds. Price, per length..... **$1.10**

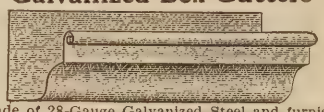
22-B-7435. Size, 20 ins. girth, roll 4 ins. high, flat surface, 13 in. Weight per length, 13 pounds. Price, per length..... **$1.70**

26 Gauge, Extra Heavy

22-B-7436. Size, 14 ins. girth, roll 3 ins. high, flat surface, 9 ins. Weight per length, 12 pounds Price, per length..... **$1.40**

22-B-7437. Size, 20 ins. girth, roll 4 ins. high, flat surface, 13 ins. Weight per length, 17 pounds. Price, per length..... **$2.10**

Galvanized Box Gutters



Made of 28-Gauge Galvanized Steel and furnished in 10 foot lengths, both ends open.

LAP JOINT

Number	Girth	Size	D'th	Price, per 10' Lengths
22-C-7417	13″	4″	4″	$1.10
22-C-7418	15″	5″	4¾″	1.30
22-C-7419	18″	6″	6″	1.50
22-C-7420	22″	8″	7⅛″	1.80
26-Gauge, Extra Heavy				
22-C-7422	13″	4″	4″	$1.40
22-C-7423	15″	5″	4¾″	1.60
22-C-7424	18″	6″	6″	1.80
22-C-7425	22″	8″	7⅛″	2.20

Tin Shingles

PAINTED

Made of roofing tin. Used for making tight joints around chimneys and roof hip finish.

22-B-7527. Tin Shingles. Size, 2½x7 inches. Weight, per 100 pieces, 5¾ lbs. Each..... **$0.02**
Price, per 100..... **1.75**

22-B-7523. Tin Shingles. Size, 5x7 inches. Weight, per 100 pieces, 11½ lbs. Each..... **$0.03**
Price, per 100..... **2.30**

22-B-7526. Flashings. Size, 7x10 inches. Weight, per 100 pieces, 20 lbs. Each..... **$0.05**
Price, per 100 ..... **4.55**

Ridge Roll—Plain Apron

10 Foot Lengths

28-Gauge Standard Weight

A neat water-proof Cap for the ridge of roofs. It is made in 10 foot lengths and can be used on shingles or any other kind of roofing. We do not furnish cut lengths.

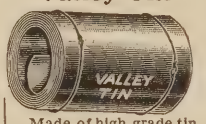
Number	Size of Roll inches	Width of Apron inches	Girth inches	Per 10 ft. length
22-B-7522	1½	2	8	53c
22-B-7523	2	2½	10	62c
26-Gauge. Extra Heavy				
22-B-7524	1½	2	8	69c
22-B-7525	2	2½	10	78c

GALVANIZED FLASHING SHINGLES

22-B-7528. Size, 5x7 inches, weight, per 100, 20 lbs. Each..... **4c**

22-B-7529. Size, 7x10 inches, weight, per 100, 30 lbs Each..... **7c**

Valley Tin



Made of high grade tin plate in a continuous length, locked and soldered.

PAINTED

22-B-7445. Width, 14 inches, weight, per roll, 30 lbs. Price, per foot.. **$0.10**
Price, 50 ft. roll **4.55**

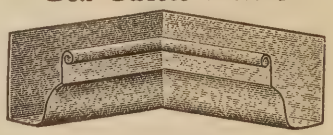
22-B-7446. Width, 20 inches, weight, per roll 48 lbs. Price, per foot.. **$0.13**
Price, 50 ft. roll **5.95**

GALVANIZED

22-B-7447. Width, 14 inches, weight, per roll, 40 lbs. Price, per foot.. **$0.12**
Price, 50 ft. roll **5.25**

22-B-7448. Width, 20 inches, weight, per roll 60 lbs. Per foot... **$0.16**
Price, 50 ft. roll **7.50**

Box Gutter Mitres



LAP JOINT

28-Gauge Standard Weight

22-C-7426. 13 in. Girth. Price, each..... **40c**

22-C-7427. 15 in. Girth. Price, each..... **65c**

22-C-7428. 18 in. Girth. Price, each..... **85c**

22-C-7429. 20 in. Girth. Price, each.. **$1.00**

26-Gauge Extra Heavy

22-C-7430. 13 in. Girth. Price, each..... **75c**

22-C-7431. 15 in. Girth. Price, each..... **90c**

22-C-7432. 18 in. Girth. Price, each.. **$1.05**

22-C-7433. 20 in. Girth. Price, each.. **1.20**

CONDUCTOR PIPE AND TRIMMINGS

Galvanized Wire Hangers

22-B-7415 Made of galvanized wire, and is the most simple and satisfactory hanger on the market.

Size, Inches	3½	4	4½	5	6
Price, Doz.	34c	35c	38c	40c	42c

Conductor Hooks

22-B-759, Galvanized Conductor Hooks for Corrugated Conductor.

Size, Inches	Price per doz. for wood	Price per doz. for brick
2	$0.42	$0.48
3	.52	.60
4	74	.89
5	1.05	1.30
6	1.26	1.58

Conductor Elbows

Galvanized Corrugated

45 Degree 60 Degree 90 Degree

22-B-753.
28-Gauge

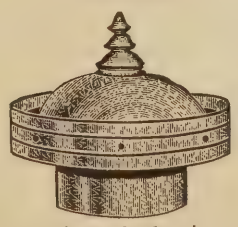
Size, Inches	Price, Ea.
2	$0.18
3	.21
4	.35
5	.70
6	.88

22-B-754.
26-Gauge

Size, Inches	Price, Ea.
2	$0.28
3	.34
4	.55
5	1.00
6	1.35

Roof Ventilator

Galvanized



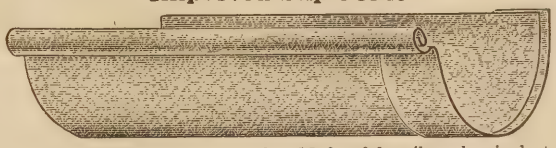
For removing smoke, dust, impure air from halls, churches, schools, factories, stables, etc.; prevents down drafts and improves smoky chimneys.

22-B-7515

4-in..	Wt. about 2 lbs.	$3.80
6-in..	Wt. about 4 lbs.	4.50
7-in..	Wt. about 5 lbs.	5.20
8-in..	Wt. about 8 lbs.	5.80
9-in..	Wt. about 8½ lbs.	6.40
10-in..	Wt. about 9 lbs.	8.00
12-in..	Wt. about 12 lbs.	9.50

Galvanized Eaves Trough

Improved Slip Joint



Most convenient Eaves Trough. Made of heavily galvanized steel sheets. Each length has an improved slip joint at one end, so that the lengths **can quickly and easily be put together without soldering.** Water-tight joints.

When ordering be sure and state whether right or left hand trough is wanted. Right hand trough discharges water at the right hand end of the trough; left hand trough discharges the water at the left hand end.

In 10-foot lengths. We do not supply cut lengths.

Size, Inches	No. 22-B-741 28-Gauge Standard		No. 22-B-742 26-Gauge Extra heavy	
	Weight	10-Foot Length	Weight	10-Foot Length
3½	4 lbs.	49c	5½ lbs.	65c
4	5 "	55c	6 "	71c
4½	5½ "	62c	6½ "	78c
5	6 "	66c	7½ "	81c
6	7 "	82c	9 "	99c

Galvanized Conductor Pipe

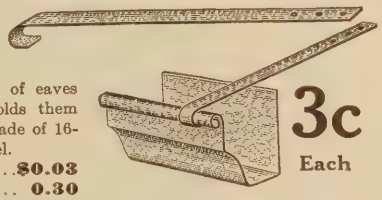
This Conductor Pipe is made of strictly first quality heavily galvanized sheets. Nothing better, stronger or more durable in this gauge of pipe can be had. It is made in 10-foot lengths without cross seams. Will not burst when full of ice. We furnish it in full 10-foot lengths only.

Size, Inches	No. 22-B-751 28-Gauge Standard		No. 22-B-752 26-Gauge Extra heavy	
	Weight	10-Foot Length	Weight	10-Foot Length
2	5 lbs.	$0.55	6 lbs.	$0.77
3	6 "	.64	7½ "	.85
4	8 "	.80	10 "	1.13
5	10 "	1.07	12½ "	1.38
6	11½ "	1.28	14 "	1.62

Size of Conductor to Use with Eaves Trough.

For Eaves Trough	3½"	4"	4½"	5"	6"
Use Conductor Pipe	2"	2"	3"	3"	4"

Box Gutter Strap Hanger



22-B-7416. Most convenient time-saving hangers for box or roof gutters. Makes a simple job of eaves trough hanging. Holds them solid and secure. Made of 16-gauge galvanized steel.

Price, each..... $0.03
Price per doz..... 0.30

3c Each

Metal Hip Shingles

These shingles are much more ornamental than the wood hip caps and are easily laid. Size of shingles, 4x9 inches.

22-B-7531, Painted tin hip shingles. Size, 4 inch by 9 inch.
Price, each $0.03½
Price per 100 3.00

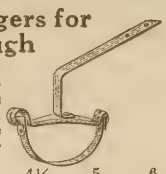
22-B-7532, Galvanized hip shingles. Size, 4 inch by 9 inch.
Price, each..... $0.04½
Price, per 100..... 4.00

Conductor Strainer

22-B-7514, Galvanized Wire Conductor Strainers. To be placed in the outlet of eaves trough preventing leaves, etc., from stopping up the conductor. Size given indicates the size of the conductor strainers will fit.

Size, Inches	Price, Each
2	$0.11
3	.14
4	.22
5	.34
6	.44

Strap Hangers for Eaves Trough



22-B-9348, Quickly attached. Makes gutter hanging an easy job. Made of heavily galvanized strap iron.

Size, Inches	4	4½	5	6
Per Dozen	80c	85c	90c	95c

Conductor Fasteners

Suitable for wood or brick buildings. Made of heavily galvanized wire. Keeps the pipe from coming in contact with the building, making it possible to paint behind the conductor pipe, preventing the moisture from rotting the siding and corroding the pipe.

22-B-758

Size of Conductor Pipe, In..	2	3	4	5	6
Gauge of wire..	15	15	11	10	9
Price, per doz..	45c	55c	65c	75c	85c

Conductor Shoes

(Galvanized Corrugated)

Made of galvanized steel.

28-Guage Standard
22-B-756.

Size, Inches	Price, Each
2	$0.23
3	.28
4	.43
5	.86
6	1.05

26-GAUGE EXTRA HEAVY
22-B-757.

Size, Inches	Price, Each
2	$0.36
3	.44
4	.70
5	1.40
6	1.65

Conductor Funnel

22-B-7512, Used for running two conductors into one outlet. Size given is size of lower spout.

28-Gauge.

Size, In.	Price, Each	Size, In.	Price, Each
2	$0.52	5	$0.90
3	.62	6	1.05
4	.70		

26-Gauge.

Size, In.	Price, Each	Size, In.	Price, Each
2	$0.70	5	$1.20
3	.80	6	1.45
4	.95		

Rain Water Cut-Off

For Corrugated Conductor Pipe

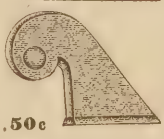
28-Gauge Galvanized—Standard Gauge.
22-B-7510

Size, Inch	Price, Each
2	$0.63
3	.70
4	.90
5	1.60
6	2.10

22-B-7511. 26-Gauge Galvanized—Extra Heavy.

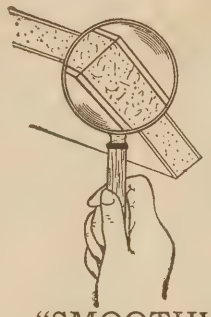
Size, In.	Price, Ea.
2	$0.90
3	1.00
4	1.40
5	2.30
6	3.00

Block Finials



Galvanized
22-B-7530, Used in connection with ridge roll. 1½ and 2 inch ridge roll.
Price, each..... 50c

Sheet Plaster Board



"SMOOTHWALL" Sheet Plaster Board

A-1 QUALITY—3/8" Thick

Warmer—Better—Easier Applied Than Lath and Plaster

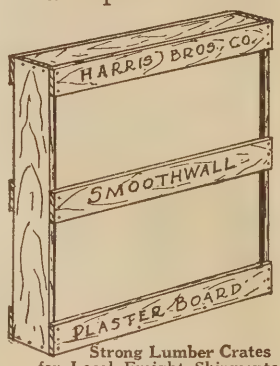
YOU YOURSELF CAN DO IT!

You Do Not Have to Have Heat or Wait for Summer for It to Dry Out

"SMOOTHWALL" has a heavy coat of cardboard on each side with a filling in between of a fire resisting rock-like plaster composition. Easily applied by anyone who can drive a nail. Can be cut with a saw or scored with a knife—a downward pressure will break it with a straight edge.

For either old or new walls, partitions, and ceilings there is nothing better. A wonderful insulator—makes your building cooler in summer and warmer in winter because of the cardboard covering.

Will not crack or warp. If additional openings are to be made in wall, can easily be sawed out and replaced without the dirt and muss of lath and plaster. "SMOOTHWALL" Sheet Plaster is 3/8 inch thick. The smaller size sheets are recommended to take the place of lath and plaster—they are economical and if an extraordinary good job is wanted, can be covered with a skim coat of any kind of good prepared plaster and a 1/8 inch finish coat, making a smooth, perfect seamless wall. This, however, is not necessary except in fine work because we furnish FREE with all orders sufficient crack filler to fill the joints smoothly. You can paint or wallpaper direct over it with satisfactory results. **Figure one pound of three penny fine lath nails for each 100 square feet.**

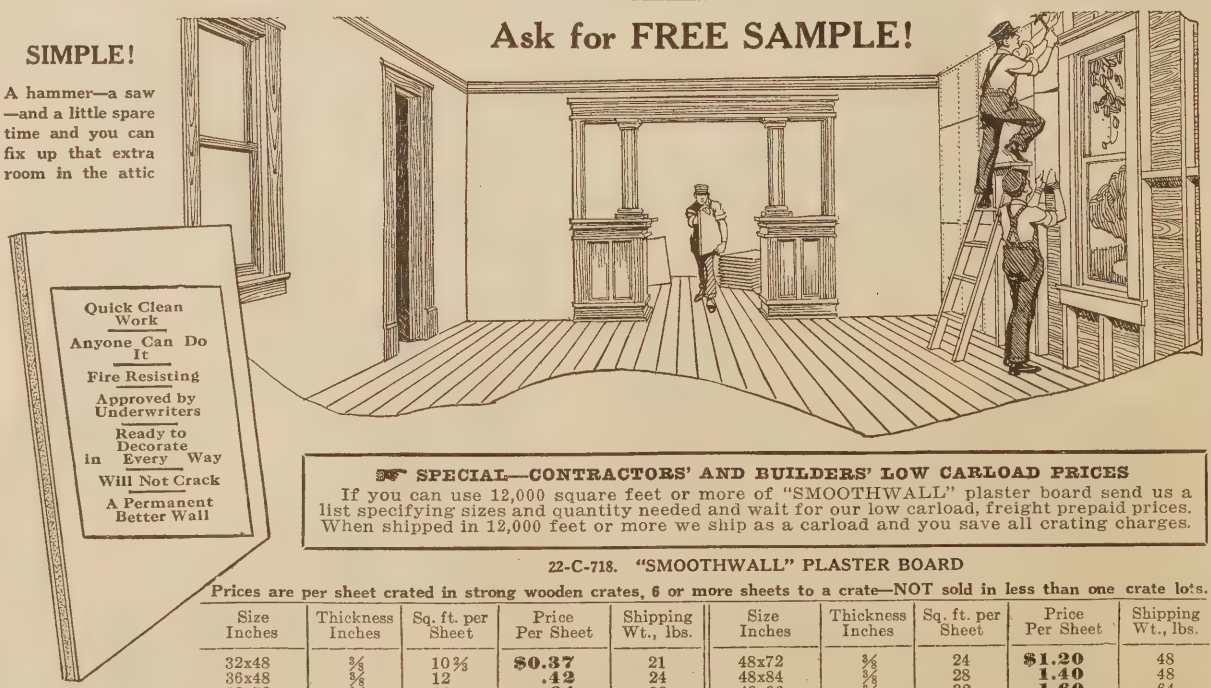


Strong Lumber Crates for Local Freight Shipments

SIMPLE!

A hammer—a saw—and a little spare time and you can fix up that extra room in the attic

Ask for FREE SAMPLE!



SPECIAL—CONTRACTORS' AND BUILDERS' LOW CARLOAD PRICES

If you can use 12,000 square feet or more of "SMOOTHWALL" plaster board send us a list specifying sizes and quantity needed and wait for our low carload, freight prepaid prices. When shipped in 12,000 feet or more we ship as a carload and you save all crating charges.

22-C-718. "SMOOTHWALL" PLASTER BOARD

Prices are per sheet crated in strong wooden crates, 6 or more sheets to a crate—NOT sold in less than one crate lots.

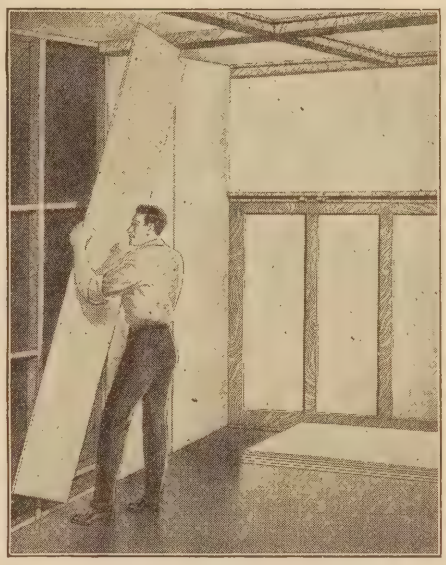
Size Inches	Thickness Inches	Sq. ft. per Sheet	Price Per Sheet	Shipping Wt., lbs.	Size Inches	Thickness Inches	Sq. ft. per Sheet	Price Per Sheet	Shipping Wt., lbs.
32x48	3/8	10 2/3	**$0.37**	21	48x72	3/8	24	**$1.20**	48
36x48	3/8	12	**.42**	24	48x84	3/8	28	**1.40**	48
32x72	3/8	16	**.64**	32	48x96	3/8	32	**1.60**	64
32x84	3/8	18 2/3	**.75**	37	48x102	3/8	34	**1.70**	68
32x96	3/8	21 1/3	**.96**	43	48x108	3/8	36	**1.80**	72
32x108	3/8	24	**1.08**	48	48x120	3/8	40	**2.00**	80

Gold Medal Wall Board

A Real Wall Board—the one you've waited for!

GOLD MEDAL WALLBOARD

Is the Nearest Approach to Wallboard Perfection



A Perfected Pure Fibre-Board

Makes a beautiful cream wall. Material colored in making. Requires no decoration whatever.

No dirt—No waste—No delay. You yourself can easily put it on and do a perfect fast job.

Rosin Sized—Vermin Proof—Will Take Paint—Calcimine—Stain—Grain—Varnish—Can Be Papered Over

A clean, neat and satisfactory wall or ceiling material—can be cut with a knife or saw without injury to either. Panels are nearly one-quarter of an inch thick—thoroughly dried and seasoned—can be nailed directly to rafters or studs 16 or 24 inches apart—makes a beautiful, permanent, sanitary and economical wall or ceiling. Will stand shocks, jars and vibrations that will bring down plaster—is a non-conductor—keeps out the cold and holds the heat inside in winter. Also cooler in summer.

You can make new rooms, partition, line or ceil while you are living in your house for there is no dampness as in lath and plaster work. Panels can be handled by ONE person. No crack filling necessary—cover the seams with wood panel strips or gummed wallboard tape and your job is clean and complete.

We Guarantee

safe delivery in convenient packages wrapped in Quality Craft paper. Can be strapped on the running board of a car.

PRICES!

13-C-9306 Gold Medal Wallboard.

Size Ins.	Ft.	Price Per Sheet
48 x	6	$0.84
48 x	7	.98
48 x	8	1.12
48 x	9	1.26
48 x	10	1.40
48 x	12	1.68

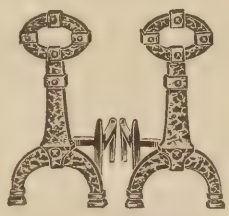
13-C-9307 Gummed Wallboard Tape—1½" wide in 100 ft. rolls.
Price per Roll.....15c

13-C-8281 Clear fir or pine panel strips, 1⅜" thick. Price per Foot...1½c

13-C-9308 Flat Head three penny nails for wallboard—1 pound to a square.
Price per Pound.....7c

Open Fireplace Fixtures

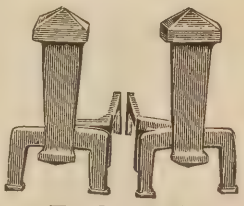
Fireplace Andirons



Pair $5.95

No. 10-C-6000. Colonial design andiron set made of best grade cast iron. Three finishes. Dull black—Motteled grey and black—Burnt antique copper. Hand hammered effect. Height 18". Shipping weight per pair 16 pounds.

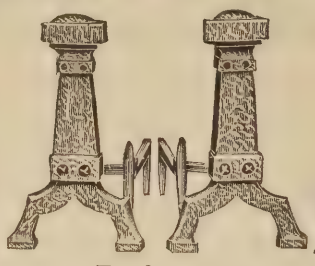
Dull black, pair	$5.95
Motteled grey, pair	7.65
Burnt antique copper, pair	8.55



Pair $5.85

No. 10-C-6003. Mission design andiron set made of best cast iron. Probably the most popular andiron set made. Will give your fire place rustic appearance. All surfaces smoothly ground. Supplied in one finish only, dull black. Height 16". Shipping weight per pair 14 pounds.

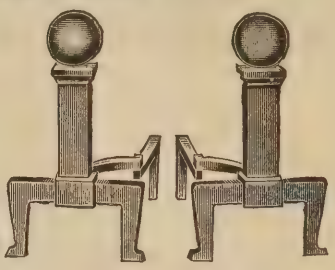
Per pair $5.85



Pair $6.80

No. 10-C-6004. Tavern design andiron set made of best cast iron. Hand hammered effect in three most popular finishes, Dull black—Motteled grey and black or Burnt antique copper. Height 17". Shipping weight per pair 22 lbs.

Dull black, pair	$6.80
Motteled grey and black, pair	8.60
Burnt antique copper, pair	9.45

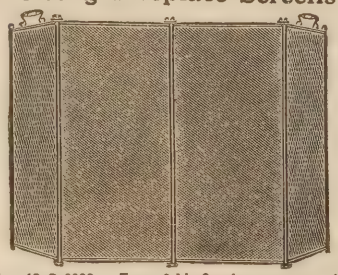


Pair $9.00

No. 10-C-6007. New England plain design andiron set. Plain and attractive. Made of cast iron. All surfaces smoothly ground. Dull black finish with polished cast brass ball. Height 16". Shipping weight per pair 16 lbs.

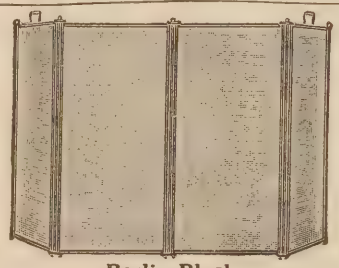
All dull black finish, pair	$ 9.00
Dull black finish with cast brass ball, pair	17.10

Folding Fireplace Screens



No. 10-C-6009. Four fold fireplace screen with strong steel frame in dull black finish. Cast brass handles and knobs. Strong wire screen fabric.

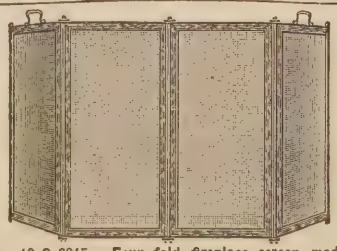
Size	
48" wide, 26" high, each	$ 8.10
48" wide, 30" high, each	9.40
48" wide, 36" high, each	11.25



Berlin Black

No. 10-C-6012. Four fold fireplace screen made with extra heavy banded steel frame, finished in dull black. Strongest and best screen wire fabric securely riveted in panels. Polished east brass handles and knobs.

Size	
48" wide, 26" high	$ 8.55
48" wide, 30" high	9.10
48" wide, 36" high	11.35



No. 10-C-6015. Four fold fireplace screen made with extra heavy steel frame in hand hammered effect. Heaviest and best wire screen fabric securely riveted in panels. Polished cast brass handles and knobs. Three finishes.

Finish	Price 48"x26"	Price 48"x30"
Dull black	$11.30	$12.15
Grey and black	11.60	13.50
Antique copper	13.60	14.40

Fireplace Sets

4 Piece Set $5.85

No. 10-C-6021. Plain designed fireplace set strongly made with wrought iron handles. Shovel and base of stand made of heavy gauge steel. Includes fire tongs, poker, shovel and stand. Smooth dull black finish. Height overall 24". Fire place sets are decorative and practical. Shipping weight of set about 40 pounds.

Price complete $5.85

4 Piece Set $5.95

No. 10-C-6022. Medium size fire place set of unusual attractive design. Includes fire tongs, poker, shovel and stand. Handles made of wrought iron. Shovel and base of stand made of heavy gauge steel. Dull black finish only. Height overall 25". Shipping weight 50 pounds.

Price per set..... $5.95

5 Piece Set $10.35

No. 10-C-6023. Finest made complete five-piece fireplace set including fire tongs, poker, shovel, brush and stand. Handles of all pieces made of wrought iron; shovel and base of stand made of heavy gauge steel. Hand hammered effect in three finishes. Dull black—Motteled grey and black—or Burnt antique copper. Height overall 30". Shipping weight about 55 pounds.

Dull black finish, set	$10.35
Motteled grey and black finish, set	11.60
Burnt antique copper, set	13.50

Portable Basket GRATES

$9.45

No. 10-C-6026. Portable basket grate made of cast iron, smooth dull black finish. Size 20" long, each ..... $ 9.45

24" long	10.35
30" long	13.50

$8.55

No. 10-C-6029. Most popular basket grate made of cast iron, smooth dull black finish.

20" long, each	$ 8.55
24" long, each	9.50
27" long, each	10.80

$13.05

No. 10-C-6032. Portable basket grate. Neat design in cast iron. Hand hammered effect, three finishes.

Length	Dull black	Motteled grey and black	Antique copper
20¼"	$13.05	$14.40	$15.30
21"	14.85	16.20	17.10
27½"	16.65	18.00	18.90

Newest Modern Designs

"Brilliantfire" Portable Gas Grates

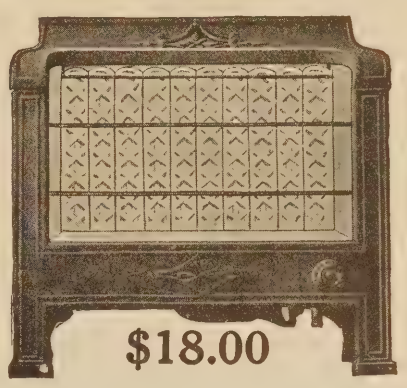
For Natural or Artificial Gas

On this page we are showing a new and most modern display of fireplace fixtures, especially the Brilliant-Fire portable gas grates. These gas grates are the best of manufacture, most excellent heating capacity and furnished in two beautiful finishes as listed. The portable brilliant gas grate shown to the right can be had in both seven mantel and ten mantel, making two different sizes.

$22.40

The beautiful gas grate shown above can be furnished in either black or copper plated. It is a ten mantel pattern and has exceptional heating capacity. A decoration for your home. Dimensions: Width, 22¾"; Height, 22⅛"; Depth, 6½", with 3" flue connections.

10-C-6041. Berlin Black **$22.40**
10-C-6042. Copper Plated **28.80**

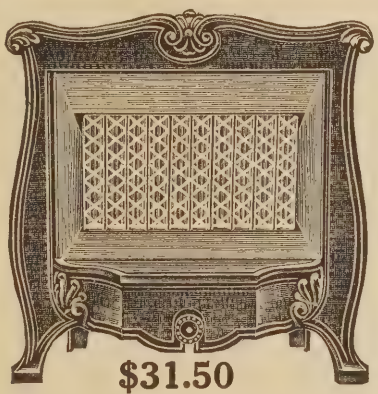


$18.00

A "ten mantel" size means 10 upright "mantels" or sections as shown in illustration; a "seven mantel" means seven divisions.

10-C-6045. 7 Mantel Berlin Black, size 7¼" wide, 18⅛" high, 6" depth with 3" flue connection $18.00
10-C-6046. 7 Mantel Copper Plated, size 7¼" wide, 18⅛" high, 6" depth with 3" flue connection $20.70
10-C-6047. 10 Mantel Berlin Black, size 18⅞" wide, 18⅛" height, 6" depth, with 3" flue connection $21.60
10-C-6048. 10 Mantel Copper Plated, size 18⅞" wide, 18⅛" height, 6" depth, with 3" flue connection $24.30

Andirons can be furnished for any of the portable gas grates shown on this page. Prices on application.



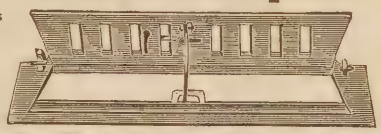
$31.50

The Brilliant portable fire gas grate is the best and most beautiful grate which we handle and can be used in the most modern or most costly home, furnished in two finishes as shown below. Dimensions: 22¾" width, 24⅛" height, 7½" depth, with 4" flue connections.

10-C-6043. Berlin Black **$31.50**
10-C-6044. Copper Plated **36.00**

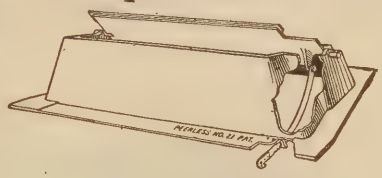
Fireplace Chimney Throat Dampers

Here is a flat damper that is desirable by many persons and can be raised as shown in the cut and has a sliding draft damper permitting the chimney damper to be completely closed. Furnished in 4 sizes as follows:



10-C-6049. 24"x9" at **$2.88**
28"x9" at **3.42**
32"x9" at **4.15**
36"x9" at **4.95**

Fireplace Chimney Dome Dampers



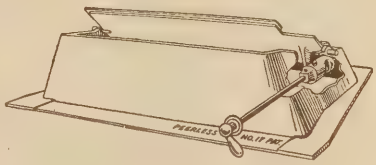
The dome damper shown to the left is equipped with a ratchet control preferred by many. This is operated from the top of the fire opening; offered in five sizes as listed.

10-C-6050. 28" ..... **$ 5.85**
10-C-6051. 31½" **7.20**
10-C-6052. 34" **7.65**
10-C-6053. 40" **8.55**
10-C-6054. 46" **10.35**

FRONT OPERATED

Worm Gear Dome Damper

The dome damper shown to the right is a worm gear control and is operated from the front of the mantel. Can be furnished in the following sizes.



10-C-6055. 28" ..... **$ 5.95**
10-C-6056. 31½" **7.30**
10-C-6057. 34" **7.75**
10-C-6058. 40" **8.65**
10-C-6059. 46" **10.35**

Wire Spark Guard

No. 10-C-6063. Heavy wire spark guard made with strong welded wire frame. Covered with 23 gauge wire cloth. Brass handles and ornaments as shown.

25"x31", 6" deep, each **$4.68**
31"x31", 6" deep, each **5.15**

Ash Pit Door

For Bottom of Chimney in Basement

75c each

No. 10-C-6060. Heavy steel hinged ash pit door and frame is made with flange to set in mortar joint of bricks, at bottom of chimney in basement. Makes chimney cleaning easy.

7"x10" each **$0.75**
9"x11" each **1.10**

Automatic Ash Dump

90c each

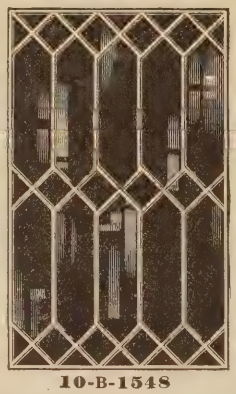
No. 10-C-6062. Automatic ash dump design to be set in floor of fireplace. Works automatically, dumping ashes from fireplace into ash pit of chimney.

7¾"x9" each **90c**

Newest Art Glass!

In selecting art glass be careful to choose a shape and design of the same proportion as the opening.

10-B-702. Double strength Florentine or Colonial white glass per square foot.....**25c**



10-B-1548

10-B-1548. Leaded clear sheet crystal glass per square foot.....**98c**

Do not pick out a high narrow design for a wide opening or a wide design for a high narrow opening.

10-B-704. Double strength chipped design white glass per square foot.....**45c**

10-B-1541

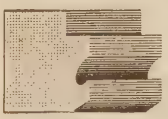
10-B-1541. Leaded clear sheet crystal glass per square foot.....**$1.05**

Three square feet is the minimum order that we can handle to advantage for you. For sizes under 3 square feet, a minimum of 3 square feet will be charged. A small charge for boxing will be made on all orders for glass.

10-B-1550

10-B-1550. Beautiful leaded crystal beveled plate glass per square foot.....**$2.80**

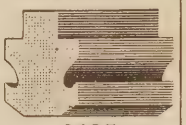
SASH BARS



8436

END SASH BAR
No. 10-B-8436

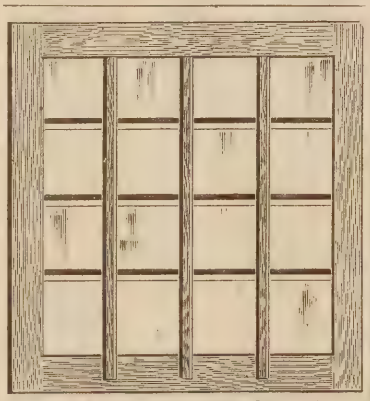
Used at end of Hotbed. Has but one square shoulder for sash to rest upon. Size 1⅜x2½. Price 100 running feet.....**$5.20**



8435

INSIDE SASH BAR
No. 10-B-8435

Used between Glass. Size 1⅜x2½. Price per 100 running feet.....**$5.20**



Half Size Hot Bed Sash

SIZE, 3 feet x 3 feet
1⅜ inch thick

No. **10-B-1754.** Price, each.....**$3.28**
No. **10-B-1755.** Dozen lots or more. Price, each.....**$3.20**
No. **10-B-1756.** Lots of 50 or more. Price, each.....**$3.15**

Shipping Weight, 32 Pounds

Open Hotbed Sash

No. **10-B-1757.** Price, each.....**$2.32**
No. **10-B-1758.** Lots of 12 or more. Price, each.....**$2.28**
No. **10-B-1759.** Lots of 50 or more. Price, each.....**$2.25**

Shipping Weight, 10 Pounds.

Hot Bed Sash

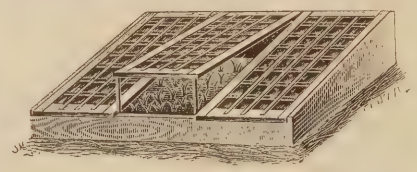
Clear White Pine

Improved 4 Row Type Featuring:

Four rows of glass.
Extra strong bars.
All joints extra strong mortised and tenoned.
Standard size glass (costs less to replace).
Glass set by hand.
Best linseed oil putty.
Large triangular zinc glazing points.
Extra size tacks to hold glass in place.
Extra deep rabbet.

Wood—Clear, well seasoned, close-grain White Pine.
Strengthened by heavy brads.
Largest number of strength-giving qualities.
Smallest number of shadow-casting bracing devices.
Quick shipment from Chicago.

Strength Guaranteed

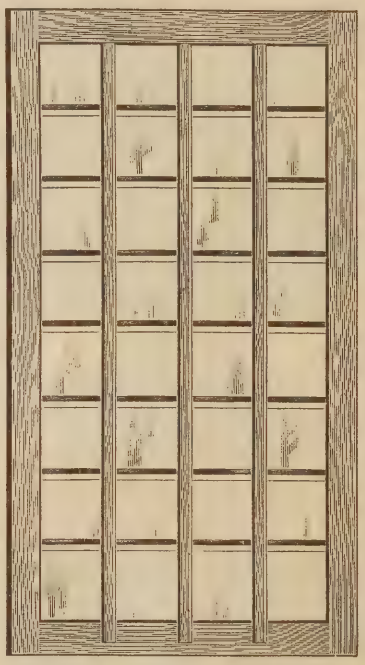


HOT BED GLASS!

Special Brands of Greenhouse and Hotbed Glass packed expressly for our trade. The sizes listed below represent only a few of the best sellers. We carry a large stock of glass for prompt shipment. Get our prices before you buy.

Standard quality. Large stock on hand. Packed strong. Safe delivery guaranteed.

Lot Number	Size Inches	Price Per Box	No. Lights in Box
10-B-1707	7x 9	$5.10	114
10-B-1708	8x10	5.15	90
10-B-1709	9x12	5.20	67
10-B-1710	10x14	5.40	51
10-B-1711	16x18	5.95	25



Full Size Hot Bed Sash

SIZE. 3 feet x 6 feet
1⅜ inch thick

No. **10-B-1701.** Price, each.....**$4.25**
No. **10-B-1702.** 12 or more, each..**$4.15**
No. **10-B-1703.** 50 or more, each..**$4.05**

Shipping Weight, 60 Pounds

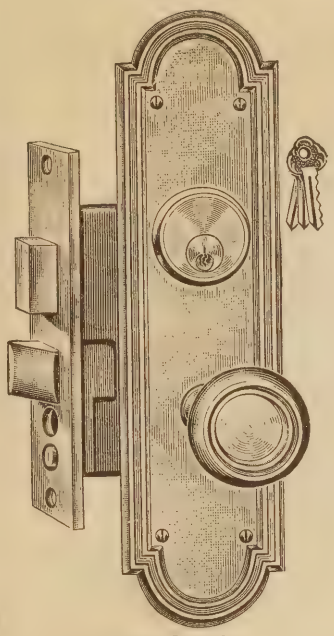
Open Hotbed Sash

No. **10-B-1704.** Price, each.....**$2.62**
No. **10-B-1705.** 12 or more, each..**$2.57**
No. **10-B-1706.** 50 or more, each..**$2.52**

Shipping Weight, 18 Pounds.

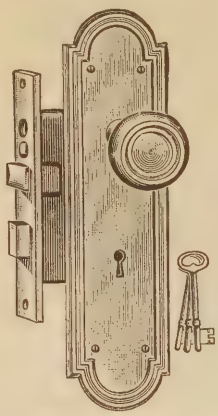
Ardmore Design Lock Set

Wrought bronze and wrought steel in beautiful French sanded finish with high spots polished. Material and workmanship of the highest quality. These lock sets are recommended for the most elaborate and beautiful homes.



Cylinder Lock Set

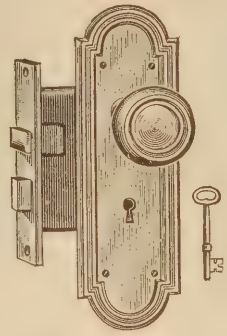
4-B-3364. Genuine wrought bronze, 5-pin tumbler, non-pickable lock. Escutcheon 11½ inches long, 3 inches wide. Flat face seamless knobs, 2¼ inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door, 1½ to 2¼ inches thick. Furnished with 3 keys and screws to match. French sanded finish.
Price.....**$11.00**



Bit Key Lock Sets

4-B-3365. Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate, 8½x2⅝ inches. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left hand door. Furnished with 3 keys and screws to match lock set. French sanded finish.
Price.....**$4.50**

4-B-3366. Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish.
Price.....**$3.00**



Inside Door Lock Set

4-B-3367. Escutcheon, knobs and all parts of genuine wrought bronze. Escutcheon, 8½x2⅝ inches. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish.
Price.....**$2.60**

4-B-3368. Wrought steel same as described above, except furnished with plated wrought steel knob, escutcheon and trimmings.
Price.....**$1.25**

Push Plates

4-B-3369. Genuine wrought bronze push plate or swinging doors, French sanded finish. Furnished with screws to match. Plate size, 11½x3 ins.
Price, each.....**$1.50**

Kenilworth Design Lock Set

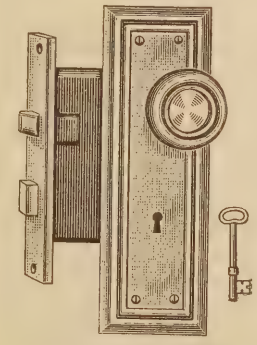
Are of the broad beveled pattern. The simple design gives them the appearance of the heavy cast bronze lock set. These sets are French sanded finish. Finest material and workmanship.

Push Plates

4-B-3370. Genuine wrought bronze push plate for swinging doors. French sanded finish. Furnished with screws to match. Plate size, 10½x2¾ inches.
Price each.....**$1.40**

Glass Push Plates

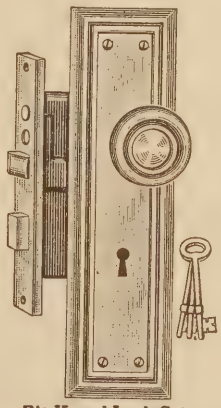
4-B-3370½. Made of heavy plate glass, edges beveled; ground and smoothly finished; size 3½x12 inches. Two nickel-plated screws.
Price, each.....**70c**



Inside Door Lock Set

4-B-3371. Escutcheon, knobs and all parts of genuine wrought bronze. Escutcheon, 8½x2⅝ inches. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish.
Price.....**$2.40**

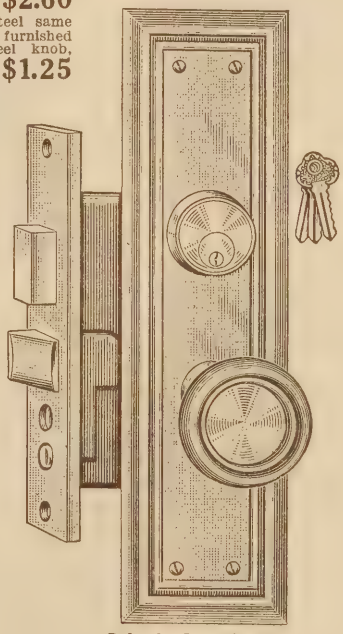
4-B-3372. Wrought steel plated as described above, except furnished with plated wrought steel knob, escutcheon and trimmings.
Price.....**$1.15**



Bit Keyed Lock Set

4-B-3373. Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate, 8½x2⅝ ins. wide. Flat face, seamless knob, 2¼ inches in diameter. Reversible for right or left door. Furnished with three keys and screws to match lock set. French sanded finish
Price.....**$4.25**

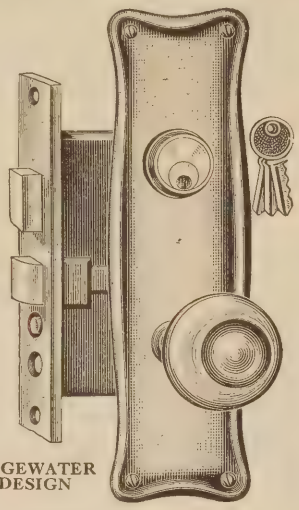
4-B-3374. Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish.
Price.....**$2.75**



Cylinder Lock Set

4-B-3375. Genuine wrought bronze 5-pin tumbler, non-pickable lock. Escutcheon, 11½ inches long, 3 inches wide. Flat face seamless knobs, 2¼ inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door, 1½ to 2¼ inches thick. Furnished with 3 keys and screws to match. French sanded finish.
Price.....**$10.25**

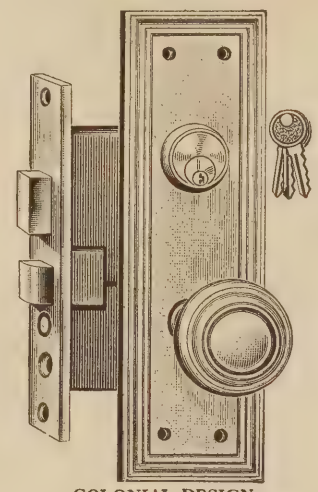
Edgewater Design



EDGEWATER DESIGN

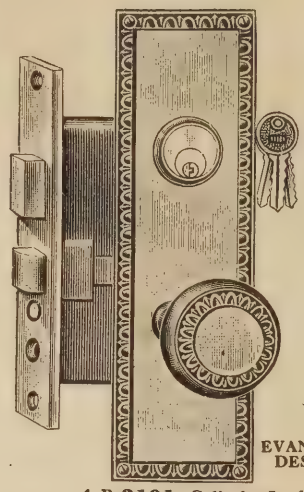
4-B-3001 Cylinder Lock Set

Colonial Design



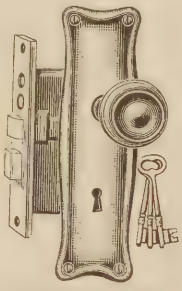
COLONIAL DESIGN
Cylinder Lock Set **4B-3029**

Evanston Design

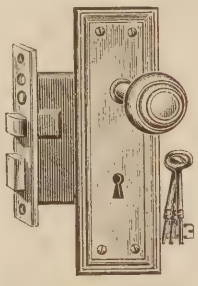


EVANSTON DESIGN

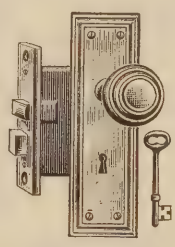
4-B-3101 Cylinder Lock Set



EDGEWATER DESIGN
Bit Keyed Lock Set
4-B-3005

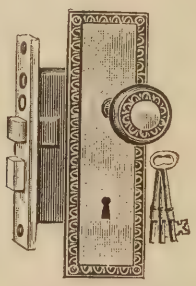


COLONIAL DESIGN
Bit Keyed Lock Set
4-B-3033

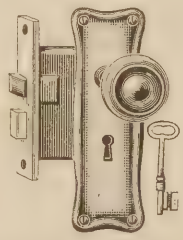


COLONIAL DESIGN
Inside Door Lock Set
4-B-3045

COLONIAL DESIGN
Push Plate
4-B-3065



EVANSTON DESIGN
Bit Keyed Lock Set
4-B-3105



EDGEWATER DESIGN
Inside Door Lock Set
4-B-3010

EDGEWATER DESIGN
Push Plate
4-B-3021

Your Choice of

Edgewater, Colonial and Evanston Designs

Give Number and Name and Finish When You Order

Genuine wrought bronze, cylinder lock sets, highest quality workmanship, material and finish. These locks are 5-pin tumbler, non-pickable cylinder. The cylinder, bolts, strike-plates, escutcheons and all parts are of genuine wrought bronze. Reversible for right or left doors, from 1½ to 2¼ inches thick, furnished with three keys and screws finished to match lock set. **Antique Copper or Lemon Brass Finishes.**
Price, either design..... **$9.40**

BIT KEYED FRONT DOOR LOCK
Genuine Bronze

Escutcheons, knobs bolts and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with three keys and screws finished to match lock sets. **Antique Copper or Lemon Brass Finishes.**
Price, either design..... **$3.50**

BIT KEYED FRONT DOOR LOCK

Wrought steel plated lock set as described above except furnished with plated steel escutcheons, knobs, and all parts. **Antique Copper or Lemon Brass Finishes.**
Price, either design..... **$2.25**

INSIDE DOOR LOCK SET
Genuine Bronze

Escutcheons, knobs and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with one key and screws finished to match lock set. **Antique Copper or Lemon Brass Finishes.**
Price, either design..... **$2.10**

INSIDE DOOR LOCK SET

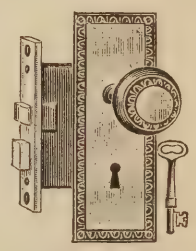
Wrought steel plated as described above. Set furnished with plated steel escutcheon, knobs and all parts. **Antique Copper or Lemon Brass Finishes.**
Price, either design..... **95c**

PUSH PLATES FOR SWINGING DOORS

Genuine Wrought bronze. Furnished with screws to match. **Antique Copper or Lemon Brass Finishes.**
Price, either design, each..... **70c**

DOOR BELLS

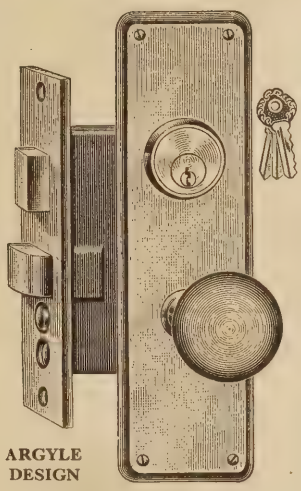
Genuine wrought bronze plate, size 4x3½ nickel plated bell, metal gong. **Antique Copper or Lemon Brass Finishes.**
Price, either design..... **90c**



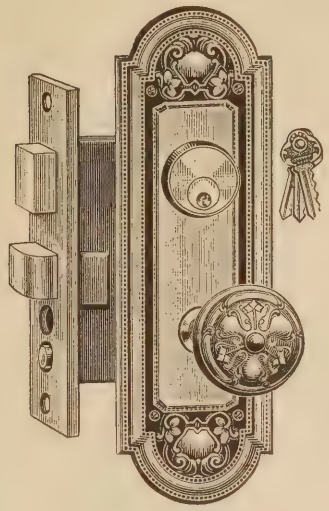
EVANSTON DESIGN
Inside Door Lock Set
4-B-3117

EVANSTON DESIGN
Push Plate
4-B-3137

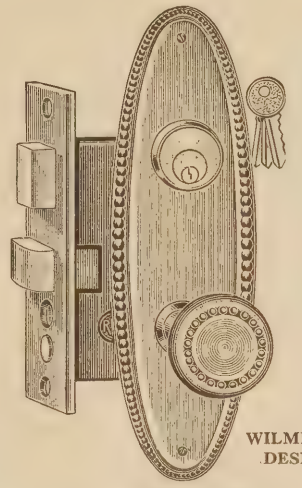
Argyle Design Oak Park Design Wilmette Design



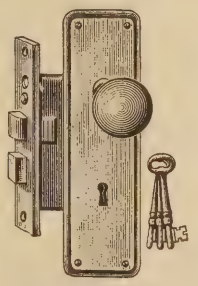
ARGYLE DESIGN
4-B-3301. Cylinder Lock Set



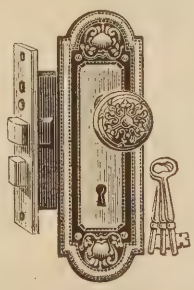
OAK PARK DESIGN
Cylinder Lock Set
4-B-3245



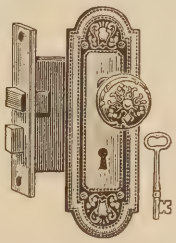
WILMETTE DESIGN
4-B-3201. Cylinder Lock Set



ARGYLE DESIGN
Bit Keyed Lock Set
4-B-3305

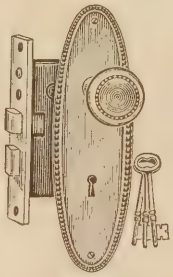


OAK PARK DESIGN
Bit Keyed Lock Set
4-B-3249

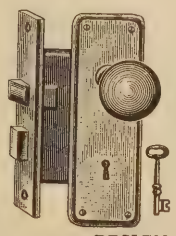


OAK PARK DESIGN
Inside Door Lock Set
4-B-3261

OAK PARK DESIGN
Push Plate
4-B-3281



WILMETTE DESIGN
Bit Keyed Lock Set
4-B-3205



ARGYLE DESIGN
Inside Door Lock Set
4-B-3317

ARGYLE DESIGN
Push Plate
4-B-3337

Your Choice of

Argyle, Oak Park and Wilmette Designs

Give Number, Name and Finish When You Order

Genuine wrought bronze, Cylinder Lock Sets, highest quality workmanship, material and finish. These locks are 5-pin tumbler, non-pickable cylinder. The cylinder, bolts, strike-plates, escutcheons and all parts are of genuine wrought bronze. Reversible for right or left doors, from 1½ to 2¼ inches thick furnished with three keys and screws, finished to match lock set. **Antique Copper or Lemon Brass finish.**
Price..... **$9.40**

BIT KEYED FRONT DOOR LOCK
Genuine Bronze

Escutcheons, knobs, bolts and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with three keys and screws finished to match lock sets. **Antique Copper or Lemon Brass finish.**
Price..... **$3.50**

BIT KEYED FRONT DOOR LOCK

Wrought steel plated lock set as described above except furnished with plated steel escutcheons, knobs, and all parts. **Antique Copper or Lemon Brass finish.**
Price..... **$2.25**

INSIDE DOOR LOCK SET
Genuine Bronze

Escutcheons, knobs and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with one key and screws finished to match lock set **Antique Copper or Lemon Brass finish.**
Price..... **$2.10**

INSIDE DOOR LOCK SET

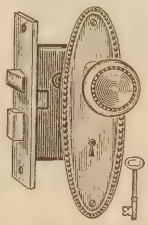
Wrought steel plated as described above. Set furnished with plated steel escutcheons, knobs and all parts. **Antique Copper or Lemon Brass finish.**
Price..... **95c**

PUSH PLATES FOR SWINGING DOORS

Genuine wrought bronze. Furnished with screw to match. **Antique Copper or Lemon Brass finish.**
Price..... **70c**

DOOR BELLS

Genuine wrought bronze plate, size 4x3½ nickel plated bell, metal gong. **Antique Copper or Lemon Brass finish.**
Price..... **90c**



WILMETTE DESIGN
Inside Door Lock Set
4-B-3217

WILMETTE DESIGN
Push Plate
4-B-3237

Big Savings in Dependable Hardware for Builders

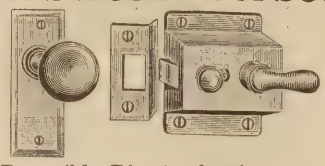
GENUINE WROUGHT BRONZE CYLINDER STORE DOOR LOCK AND HANDLE

4-C-3355. Antique copper finish. Size of lock, 5x3½ inches 5 pin tumbler cylinder non-pickable. Size of plates, 3x12 inches. 2 bar handle grips, one for either side of door. 3 German silver keys. Reversible for right or left hand door. Complete with screws to match. Price, per set **$10.25**

GENUINE WROUGHT BRONZE CYLINDER STORE DOOR LOCK AND HANDLE

4-B-3363. Antique copper finish. Size of lock 5x3½ inches, 5-pin tumbler cylinder non-pickable. Size of plates, 3x12 inches. 2 handles, 1 for either side of door. 3 German silver keys. Complete with screws to match. Price, per set **$11.75**

French Window or Screen Door Set



Reversible Rim latch, size 2x2⅜ inches. Escutcheon, 1½x4½ inches. Can be set by slide knob, which prevents opening from outside.

4-B-15012. Lemon Brass. Price..... **65c**
4-B-15013. Antique Copper. Price..... **65c**
4-B-15014. Sand Finish. Price..... **75c**

DOOR PUSH PLATES

Size, 2¾x9¾ inches, finely finished with screws to match.

GENUINE BRONZE METAL

4-B-3583 Antique Copper finish. Each **45c**

4-B-3584 Old or Lemon Brass finish. Each **45c**

WROUGHT STEEL PLATED

4-B-3585. Antique Copper finish. Each..... **22c**

4-B-3586. Old or Lemon Brass finish. Each **22c**

WROUGHT STEEL ELECTRO BRONZE PLATED STORE DOOR HANDLE AND LOCK SETS

4-B-3359. Antique Copper finish. Size of lock, 4¾x3¼ ins. Size of plates, 3x12 inches. 2 handles, one for either side of door. 2 nickel plated flat steel keys. Reversible for right or left hand doors. Complete with screws to match. Price per set **$3.45**

GENUINE WROUGHT BRONZE PLATED STORE DOOR LOCK SET AND HANDLE

4-B-3361. Same as 4-B-3359, except plates, handles, bolts, strike and trimmings are genuine wrought bronze with screws to match. Price, per set..... **$6.75**

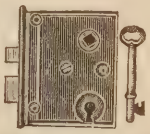
RIM LOCKS

Heavy Japanned Cases. Reversible for right or left hand doors. Packed complete with screws. Each lock fully warranted.

HORIZONTAL RIM DEAD LOCKS

Size, 2x2¾ inches. Japanned iron case and escutcheons. Iron key. Complete with screws.

4-B-3433. Lock only, without knobs. Each..... **24c**
4-B-3435. With brown mineral knobs. Per set..... **44c**
4-B-3437. With jet knobs. Per set..... **46c**



UPRIGHT RIM KNOB LOCK

Size, 4x3¼ inches, with stop, iron bolts and tinned malleable key.

4-B-3409. Lock only without knob. Each... **30c**
4-B-3411. With brown mineral knob. Per set..... **50c**
4-B-3413. With jet knob. Per set..... **50c**

HORIZONTAL RIM KNOB LOCK

Size, 3⅜x4¼ inches. With iron bolts, tinned malleable key.

4-B-3421. Lock only without knob. Each..... **30c**
4-B-3423. With brown mineral knobs. Per set..... **50c**
4-B-3425. With jet knobs. Per set..... **50c**

UPRIGHT RIM KNOB LOCK

Size, 4x3⅛ inches, 3 brass plated bolts, nickel-plated steel key.

4-B-3415. Lock only without knob. Each.... **35c**
4-B-3417. With brown mineral knobs. Per set..... **55c**
4-B-3419. Black jet knob. Per set..... **55c**

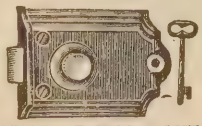
HORIZONTAL RIM KNOB LOCKS

Size, 3⅜x4¼ inches. 3 brass bolts, nickel-plated steel key.

4-B-3427. Lock, only without knob. Each..... **55c**
4-B-3429. With brown mineral knob. Each..... **75c**
4-B-3431. With jet knob. Per set..... **77c**

STORE DOOR RIM DEAD LOCK

4-B-3439. Strong and durable. Japanned iron case, 5x3½ inches. Heavy wrought iron bolts, steel inside bolts, 2 nickel-plated, steel folding keys. Complete, with screws. Price, **$1.00**



TUBULAR RIM NIGHT LATCH

4-B-3449. Japanned iron case, sizes 3½x2½ inches. For doors up to 1¾ inches thick. Japanned case, iron bolts, nickel-plated flat steel keys, bronze metal escutcheons, beveled strike with screws reversible. Price..... **85c**

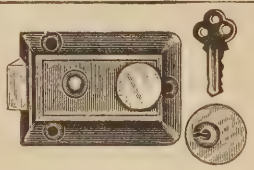
MORTISE DOOR LOCKS

Japanned case, 3⅝x3¼ inches, iron bolts, lacquered front and strike, tinned key, japanned escutcheon with screws.

4-B-3453. Locks only, without knobs. Each..... **40c**
4-B-3455. With brown mineral knobs. Each..... **60c**
4-B-3457. With jet knobs. Each..... **61c**

Japanned case, 3½x3¼ inches. Brass front and bolts, plated strike, nickel plated steel key, japanned escutcheon with screws.

4-B-3459. Locks only without knobs. Each..... **92c**
4-B-3461. With brown mineral knobs. Per set..... **$1.12**
4-B-3463. With jet knobs. Per set..... **$1.14**



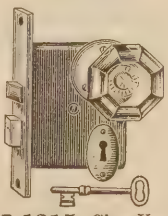
CYLINDER RIM NIGHT LATCH

4-B-3489. A durable lock which affords the utmost security. Size, 3¾x2½ inches, with genuine bronze metal bolts, cylinder, escutcheon, knob and stop. 3 Yale pattern German silver keys, suitable for doors up to 3 inches thick. Price..... **$2.25**

HORIZONTAL RIM KNOB LATCHES

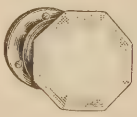
Size 2½x3¾ in. Japanned case, iron bolt any hub, with screws reversible.

4-B-3443. Latch only without knobs. Each..... **43c**
4-B-3445. With brown mineral knobs. Per set..... **63c**
4-B-3447. With jet knobs. Per set..... **63c**



4-B-1215. Glass Knob Inside Lock Set, considered the most beautiful lock set for inside doors; appropriate for bedroom doors. Mortise lock, escutcheon and plate. Finished in antique Copper, Lemon Brass or Nickel-plated. Octagon shape, Crystal Glass Knob furnished with key and screws. Price..... **$2.25**

4-B-1216. Lock Set same as above, nickel-plated finish. Price **$2.50**



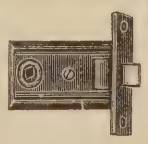
4-B-1217. Glass Knob Set, Opal Finish. Popular for bathroom doors, bronze metal shank and rosette. Rosette finished in Antique Copper or Lemon Brass. Price, Each.... **$2.00**

4-B-1218. Nickel-plated Knob Set as above. Price.... **$2.25**

Mortise Door Latches

Japanned Iron Case, 1¼x3⅛ inches iron bolts, front and strike.

4-B-3467. With brown mineral knobs. Each..... **40c**
4-B-3469. With jet knobs. Per set..... **40c**
4-B-3465. Latch only. Per set..... **22c**



Japanned Iron Cases, 1¼x3⅛ inches Brass front, bolt and strike.

4-B-3471. Latch only without knobs. Each, **44c**
4-B-3473. With brown mineral knobs. Per set.. **65c**
4-B-3475. With jet knobs. Per set **65c**

4-B-1209

4-B-1210

4-B-1211

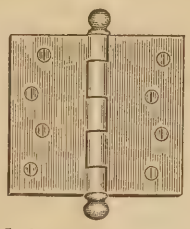
Glass Door Knobs with bronze metal shank and rosette. ½ inch plain spindle. Rosette finished in Antique Copper or Lemon Brass. Price, each..... **$1.75**
Nickel Plated Rosette..... **$1.90**

Rim Knobs Mortise Knobs

Strictly first quality. Japanned shanks and roses. Knobs 2¼ inches in diameter with 5-16 inch spindles. Price includes one pair knobs, complete with connecting spindle. Mineral knobs are brown mottled; porcelain knobs are white; jet knobs are black.

4-B-3477. Mineral knobs for rim locks. Each..... **20c**
4-B-3479. Porcelain knobs for rim locks. Each..... **20c**
4-B-3481. Jet knobs for rim locks. Each..... **20c**
4-B-3483. Mineral knobs for mortise locks. Each..... **22c**
4-B-3485. Porcelain knobs for mortise locks. Each..... **22c**
4-B-3487. Jet knobs for mortise locks. Each..... **22c**

Every Needed Item in Select Builders' Hardware



High Grade Electro-Plated Polished Wrought Steel Ball Tipped Butts

Tipped Butts. Guaranteed to be the best finished wrought steel butts manufactured. Heavy, highly polished and finely finished. Furnished with screws to match.

4-C-3501. Antique Copper, polished finish.

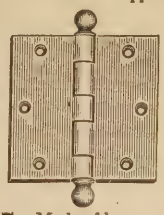
4-C-3503. Lemon Brass Finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½	5x5
Per pr.	63c	69c	78c	81c	93c	$1.15	$1.68

4-C-3502. Sand finish, and
4-C-3504. Nickel-Plated finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½	5x5
Per pr.	76c	78c	85c	90c	$1.02	$1.25	$1.88

Japanned Loose Pin Ball Tipped Steel Butts

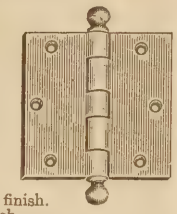


4-C-3577. Made of heavy steel, nicely Japanned. Screws not included.

Inch	2½x2½	3x3	3½x3½
Per pair	23c	25c	29c

Inch	4x4	4½x4½	5x5
Per pair	35c	50c	80c

Electro-Plated Planished Ball Tipped Butts



Electro-Plated Planished. Made of the same grade steel and generally sold as a polished butt. In every sense equal to the high grade butts, except not as finely finished. Furnished with screws to match.

4-B-3505. Antique Copper finish.
4-B-3507. Lemon Brass finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½
Per pair	30c	33c	35c	36c	45c	65c

4-B-3506. Sand finish, or
4-B-3508. Nickel-Plated finish.

Inch	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½
Per pair	37c	38c	40c	45c	55c	80c

Electro-Plated Planished Steel Butts

Heavy wrought steel, fast pin, finely finished, with screws to match.

4-B-3581. Antique Copper finish.

Inch	2½x2½	3x3	3½x3½
Per pair	24c	26c	30c

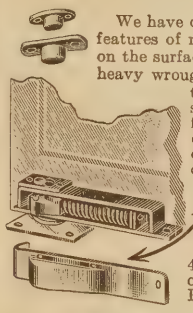
Narrow Fast Pin Wrought Steel Butts

4-B-3579. Plain, without screws. Strong, substantial butts. Made for all general purpose work. Plain finish.

Bright Steel Butts

Inch	1½	2	2½	3
Dozen pairs	48c	70c	80c	$1.15

The Harris Double Acting Ball Bearing Floor Hinge



We have overcome the objectionable features of most floor hinges that rest on the surface of the floor, made from heavy wrought steel; the spring from the best oil tempered spring steel; the floor plate from steel. When in practical use the entire weight of the door is carried on hardened steel ball bearings set in hardened cups.

4-C-3545. Antique Copper or **4-C-3547** Lemon Brass..**$1.10**
4-C-3546. Sand Finish or **4-C-3548.** Nickel-Plated Finish.....**$1.35**

Cabinet Hinges

For cabinets, china closets, etc. Wrought steel, beautifully finished, strong and durable. Fast pin. Size, 2⅜ x 2 inches. Packed with screws to match.

4-C-3537. Antique Copper finish and **4-C-3539.** Lemon Brass finish ... **pair 17c**
4-C-3538. Sand finish or **4-C-3540.** Nickel-Plated finish .. **pair 20c**

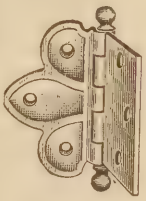
Gravity Hinge

CLARK'S GRAVITY BLIND HINGES

4-B-3441. For frame houses. Throws blind 1¼ inches from casing. Set includes four hinges and two fasteners. Flat head screws are to be used with these sets.

Per set.....**25c**

Ornamental Electro-Plated Surface Butts



Most artistic and the best appearing butt manufactured. Heavy and strongly made raised design, giving a massive appearance, beautifully finished. Exceedingly popular, economical and time saving.

They are reversible for right or left hand doors. Size 1½ inch is used largely for Cupboards, Cabinets, Closets, etc. All sizes are loose pin with ball tip. Size given is length of joint. Packed with screws to match.

4-B-3533. Antique Copper finish.
4-B-3535. Old or Lemon Brass finish.

Size, inches	2x2½	1½	3	3½	4
Price. per pair	34c	18c	40c	45c	58c

4-B-3534. Sand finish or **4-B-3536.** Nickel-Plated finish.

Inch	1½	2x2½	3	3½	4
Per pair	20c	40c	48c	54c	66c

Cabinet and Cupboard Hardware

Cupboard Locks

4-B-3835. Two Secure Levers. For right or left hand door. Wide Bolt. Width, 1¾ inches; length, 3 inches. With one Fancy Bow Key.
Each.....**59c**

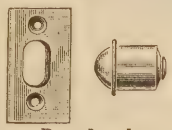
4-B-3831 DRAWER LOCKS

2¼ in. wide. Has two secure levers for wood ⅞ in. thick. One key.
Each **60c**

4-B-3832. Brass Drawer Locks. Same as above.
Each.....**74c**

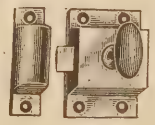
4-B-3833 SELF-LOCKING CHEST LOCKS

All Iron with Brass Keyhole Escutcheon. Double bitted keys. Width, 2½ inches.
Each.....**75c**



Door Latch

4-B-1264. Metal Spring Door Catches for use on Book Cases, Medicine Cabinets, Linen Cabinets and China Cabinet Doors. Furnished with Metal Striking Plate. Finished in Antique Copper or Lemon Brass.
Each.....**12c**



CUPBOARD TURNS

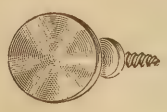
Electro-Plated, Polished Wrought Steel

4-C-3596. Antique Copper or **4-C-3597** Lemon Brass
each.....**14c**
4-C-3596½. Nickel-Plated.....**16c**
4-C-3597½. Sand finish **16c**

Cupboard Catches

Electro-Plated, Polished Wrought Steel with screws to match.

4-C-3591. Antique Copper
4-C-3592. Lemon Brass
Each.....**13c**
4-B-3591½. Nickel-Plated
4-B-3592½. Sand finish
Each.....**15c**



4-B-1230. Metal Drawer Knobs. Size, 1 in. Used on Cabinets, Buffets, China Closets, etc. Furnished in Lemon Brass or Antique Copper.
Price, each.....**14c**

4-B-1235. Crystal Glass Knobs for Medicine Cases, Cabinets, etc. Made of clear glass, beautifully designed. Nickel-plated bolt and nut.

⅞ in....Each **12c**
1¼ in....Each **15c**
1½ in....Each **18c**
1¾ in....Each **20c**

CONCORD DROP HANDLE

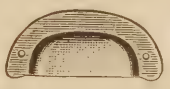
A neat and simply designed handle, suitable for buffets, sideboards and china closets. Unusually well made and nicely finished.

4-B-15016. Antique Copper. Price, each.....**30c**
4-B-15017. Lemon Brass. Price, each.....**30c**

CAST IRON DRAWER PULL

A very popular drawer pull, owing to the fact that it is applied with machine screws through the wood from the inside, making it stationary. Is suitable for drawers, buffets, bookcases, China cases, etc.

4-B-15018. Antique Copper Price, each....**12c**
4-B-15018½. Nickel-Plated Finish.....**16c**
4-B-15019½. Sand Fin.**16c**
4-B-15019. Lemon Brass. Price each.....**12c**



WROUGHT STEEL DRAWER PULL

Wrought steel electro plated with screws to match. Length 3⅝ ins.

4-B-3623. Antique Copper, polished finish.
Each.....**4c**
4-B-3623½. Nickel-Plated.....**5c**
4-B-3625. Old or Lemon Brass finish.
Each.....**4c**
4-B-3625½. Sand finish.....**5c**

DRAWER PULL

4-B-3649.

Drawer pulls used on cabinets, buffets and cupboards. Screws to match. Antique Copper or Lemon Brass finish.

Price, each..... **5c**

Per dozen.....**50c**

Cremorne Bolts for French Windows or Large Casement Sash

Cast ron bolt specially adapted for French windows, or large casement sash and is furnished with universal strikes. Unless otherwise specified, will be furnished with rods for sash up to 8 feet high.

This is the only bolt that will hold the sash in place and prevent warping.

4-B-15000. Antique Copper. Price each.....**$7.10**
4-B-15001. Lemon Brass. Price each..... **$7.10**

CAST IRON PLATED

4-B-15002. Antique Copper. Price each.....**$4.75**
4-B-15003. Lemon Brass. Price each.....**$4.75**

Sash Cord

Made of special selected long fiber cotton, firmly braided. The strongest and most durable manufactured. Put up in bundles of 100 ft.
4-B-3647. No. 8, ⅝ inch diam. Per bundle..... **$1.15**
5-B-3645. No. 7, ½ inch diam. Per bundle..... **1.10**

Sash Weights

10-B-3643. Four weights are required to hold each window. Weights range from 3 to 9 pounds by half pounds. Heavier than 9 pounds graduate by pounds. Per pound..... **3½c**

Steel Sash Pulley

10-B-3649. Electrically welded and cannot break. Requires no screws. Simply bore three holes and drive the pulley in. Diameter of wheel, 2 inches. Per dozen..... **75c**

Casement Window Fasteners

Cast iron plated; either right or left hand. Size of plate, 2½x⅝ inch. Has a double strike for single sash opening in or pairs of sash opening out.

4-B-15006. Plate Metal. Lemon Brass finish. Each..... **24c**
4-B-15007. Plate Metal. Antique Copper finish. Each..... **24c**

Spring Sash Balances

4-B-3637. Used instead of sash weights and cord. Easy to apply and do not require box frames. Springs are made of special tempered steel, heavily coppered to prevent rust. Warranted to retain their full strength. Set consists of four balances, two each for top and bottom sash.

Size No.	Weight of each Sash pounds	Hght. of each Sash ins.	Wght. per set of 4 Bal. lbs.	Price per Set of 4 Balances
6	4 to 6	34	6	$2.10
8	6 to 8	34	6	2.30
10	8 to 10	34	7	2.55
12	10 to 12	44	7	2.75
14	12 to 14	44	7½	3.00
16	14 to 16	44	7½	3.20
18	16 to 18	48	9½	3.40
20	18 to 20	48	10	3.55

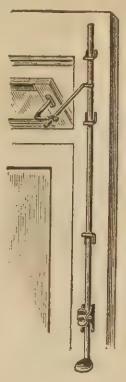
Reversible Casement Fasteners

Fasteners, Size, 1⅜x1⅝ inches. Screws to match.
4-C-3587. Antique copper. Per set..... **18c**
4-B-3587½. N. P..... **22c**
4-B-3588½. Sand Fin..... **22c**
4-C-3588. Lemon Brass. Per set..... **18c**

Polished Bronze Metal
4-B-3589. Antique Copper. Per set..... **42c**
4-B-3590. Lemon Brass. Per set..... **42c**

Transom Lifters

36c



Used in connection with transoms hinged at top, bottom or pivoted in the middle. By means of this lifter, transoms can be opened or locked at any angle affording ample means of ventilation. Strong and durable.

4-C-3519. Plain Coppered Finish.

Length, feet.....	3	4	5
Price, each.....	36c	40c	45c

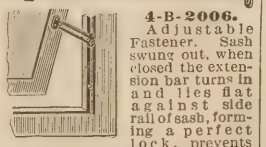
4-C-3521. Electro Bronze Plated.

Length, feet.....	3	4	5
Price, each.....	54c	58c	70c

Sash Hanger

4-B-2005. Storm Sash Hanger Works like a hinge, one on each corner at top. Simplest contrivance ever devised. Per pair..... **10c**

Sash Fastener



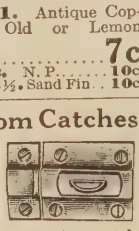
4-B-2006. Adjustable Fastener. Sash swung out, when closed the extension bar turns in and lies flat against side rail of sash, forming a perfect lock, prevents rattling, holds sash tight. Per pair..... **16c**
4-B-2007. Set of Hangers and fasteners..... **22c**

Steel Sash Locks

Electro plated. The strongest and most durable sash lock made. Holds sash closely together, prevents rattling. Screws furnished.

4-B-3601. Antique Copper and Old or Lemon Brass. Each..... **7c**
4-B-3602. N. P..... **10c**
4-B-3603½. Sand Fin.. **10c**

Transom Catches



Electro plated wrought steel. Bronze metal ring and screws to match. Size, 2¼x1⅜ inch.

4-B-3553. Antique Copper. Each..... **8c**
4-B-3555. Lemon Brass Finish. Each..... **8c**

Side Sash Locks

Holds as firm as a vise; prevents rattling of windows. Locks sash securely at any desired height. Convenient for perfect ventilation. Screws to match.

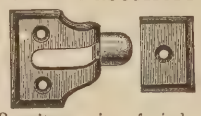
4-C-3607. Antique Copper. Each..... **17c**
4-B-3607½. N. P..... **20c**
4-B-3610. Sand Fin.... **20c**

Mortise Door Bolts

Strong and secure. "T" handle thumb piece. Plates and screws to match.

4-B-3615. Antique Copper. Each..... **20c**
4-B-3617. Lemon Brass. Each..... **20c**

Sash Fasteners



Permits opening of windows at top, bottom or both top and bottom. Electro bronze plated. Screws to match.

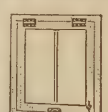
4-C-3639. Antique Copper. Each..... **30c**
4-C-3641. Lemon Brass. Each..... **30c**

Barrel Bolts

4-B-3855. Wrought steel, nicely Japanned. Polished steel bolt and brass knob.

Length, bolt, in.	4	5
Each.....	7c	8c	10c	11c

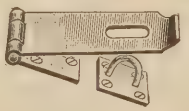
Window Sets



For Attic and Basement Sash

4-B 3619. For sash hinged at side. Set consists of one pair 2½ inch wrought steel butts, one japanned steeled sash fastener. With screws. Per set..... **15c**
4-B-3621. For sash hinged at top. Set consists of one pair 2½ inch wrought steel butts, one japanned steeled sash fastener, one hook and eye. With screws. Per set..... **16c**

Steel Hasps



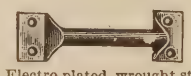
4-B-315. Size, 4½ inches. Weight, about 6 oz. With screws. Price..... **16c**
4-B-316. Size, 6 inches. Weight, about 10 oz. With screws. Price..... **23c**

Flush Sash Lifts

Made of wrought steel bronze plated. Size, 1¼x3¼ inches. Complete with screws.

4-B-3567. Antique Copper. Each..... **4c**
4-B-3569. Lemon Brass. Each..... **4c**

Bar Sash Lifts



Electro plated, wrought steel. Length of handle, 3 inches. Length over all, 4 inches.

4-C-3559. Lemon Brass. Each..... **6c**
4-B-3559½. Sand Fin.. **10c**
4-C-3557. Antique Copper. Each..... **6c**
4-B-3557½. N. P..... **10c**

Hook Sash Lifts

Splendid quality, heavy and high grade. Finely finished and made with bevel edges. Size, 1½ inches. Screws to match.

GENUINE WROUGHT BRONZE METAL

4-C-3523. Antique Copper. Polished. Each..... **8c**
4-C-3525. Lemon Brass Finish. Each..... **8c**

ELECTRO BRONZE PLATED WROUGHT STEEL

4-B-3527. Antique Copper. Polished. Each..... **3c**
4-B-3527½. N. P..... **5c**
4-B-3529. Lemon Brass Finish. Each..... **3c**
4-B-3529½. Sand Fin... **5c**

Electro Plated Wrought Steel Chain Bolts

Length, 6 inches, with 2 feet of chain. Screws to match.

4-B-3511. Antique Copper..... **57c**
4-B-3513. Lemon Brass..... **57c**

FOOT BOLTS

Electro plated, wrought steel, spring release. Length, 6 inches. Screws to match.

4-B-3515. Antique Copper..... **57c**
4-B-3517. Lemon Brass..... **57c**

Swinging Door Holders

For doors where an attachment is required that may be operated easily with the foot. Spring release. The rubber tipped bolt will not mar or injure carpet.

4-B-3709. Japanned Finish..... **65c**
4-B-3711. Antique Copper..... **90c**
4-B-3713. Lemon Brass..... **90c**

Flush Bolts

Cast iron plated Flush Bolt, 1 inch wide. With screws.
4-B-15010. 6-inch Flush Bolts. Lemon Brass. Each..... **37c**
4-B-15011. 6-inch Flush Bolts. Antique Copper. Each.. **37c**
4-B-15020. 4 in. Antique Copper. **32c**
4-B-15021. 4 in. Lemon Brass..... **32c**

Casement Window Adjuster. Made of plated steel rod, ⅜ inch diameter. This adjuster is for sash opening out and will hold the sash at any angle. Two finishes.

4-C-15004. Antique Copper. Opening out. Price, each..... **45c**
4-C-15005. Lemon Brass. Opening out. Price, each..... **45c**
4-B-15004½. Opening in. Ant. Copper.. **65c**
4-B-15005½. Opening in. Lemon Brass.. **65c**

General Hardware at Big Savings

Screen Door Catch

4-B-3675. Vienna bronze finish for doors ⅞ to 1⅜ inches thick. To be used on doors opening outwards. Furnished complete with stop, knobs and screws.
Per set.....**30c**

Screen Door Sets

4-B-3673. Consists of one pair japanned back spring hinges. One steel door pull, one hook and eye, complete with screws.
Per set.....**20c**

Screen Door Hinges

4-B-3679. Hold back spring hinges, the strongest and best manufactured. Japanned case. Screws not furnished.
Per pair **13c**

Warner Screen Door Hinges

4-B-3685 Made of heavy spring steel wire. copper plated.
Each.....**4c**

ELECTRO PLATED DOOR PULL

4-B-3687. Wrought steel, antique copper finish. Strong, durable, and well made. Will give long and continued service. 4⅞ ins. long.
Each, **3c**

ORNAMENTAL THUMB LATCHES AND HANDLES

4-B-3633 Bronze finish. For doors ⅞ to 1½ inches thick. Complete with screws.
Each.....**19c**

Torrey's Ready Door Spring

4-C-3681. Steel rod door spring. Furnished with a special wrench with each set for adjusting tension. Length, 39 inches.
Each.....**25c**

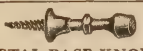
SPIRAL DOOR SPRINGS

4-B-3683. Made from special grade highly tempered steel wire, fastened securely to the bracket and spring holder. Adjustable tension. Length, 10 inches.
Price, each.....**18c**

STOP SCREW AND WASHER

4-B-3657. Wrought steel washer. Antique copper finish screw to match.
Price, per doz...**15c**

4-B-3659. Lemon Brass finish. Per dozen.....**15c**



METAL BASE KNOBS

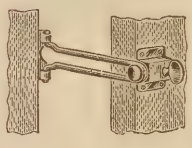
Bronze plated. Extra long heavy screws. Heavy rubber tip. Length, 2⅝ inches.
4-B-3573. Antique Copper.
Each.....**8c**
4-B-3574. Lemon Brass.
Each.....**8c**

HARDWOOD BASE KNOBS

Rubber tipped. Well pointed screws. Nicely finished.
4-B-3572, Each.**3c**

4-B-1645 Cast Floor Door Stops, used to protect furniture or prevent door from striking radiator or wall. Antique Copper, Lemon Brass or Nickel plated finishes. Each....**10c**

Safety Door Catch



4-B-1363. Safety Door Catch. Made of wrought steel, finished in Lemon Brass or Antique Copper. Complete with screws, each.....**60c**

Door Buttons

4-B-3655 Japanned finish.
Length, 1½ inches.
Per dozen.....**8c**
Length, 2 inches.
Per dozen.....**10c**
4-B-3656 Aluminum 1¾" **14c** Doz. No screws.

CUPBOARD CATCHES

4-B-3609. Iron Japanned finish. Screws are not furnished.
Each.....**4c**

SHELF SUPPORTS

Copper plated iron with ¼-in. pins. Wt., about 4 ounces.
4-B-3650, Price, per dozen.....**10c**

FELT WEATHER STRIPS

4-B-3719

Made of durable black wool felt, ½ in. width for windows, ⅝ in. width for sides and top of door, ¾ in. for bottom of door. Put up 50 ft. to a package.

Inches	½	⅝	¾
Per ft.	3½c	4c	4½
Per pkg.	$1.44	$1.68	$1.92

BRIGHT BRAIDED PICTURE WIRE

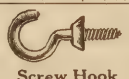
4-B-3839, Heavily Tinned. Coils guaranteed to contain full 75 ft.
Per coil..... **7c**

Bright Wire Screw Eyes

4-B-3850. Gimlet Pointed Screws. Perfectly formed eyes.

Size No.	Length Inches	Per Dozen
105	2	9c
108	1⅝	7c
110	1⅜	5c
112	1⅛	4c
114	1	3c
214	¾	3c

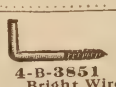
Cap Hook 4-B-3854



Screw Hook 4-B-3853

Polished Brass, Full Size. Either kind same price.

Size, In.	Per Doz.
½	7c
⅝	8c
¾	9c
¾	10c
⅞	10c
1	11c



4-B-3851 **4-B-3852**
Bright Wire Screw Hooks
Full size, perfectly pointed. In ordering:

Length Inch	Straight Pattern Dozen	Bent Pattern Dozen
1¼	4c	4c
1½	5c	5c
2	6c	6c
2¼	7c	7c
3	13c	9c
3½	17c	14c

Rubber Strips

4-B-3717. Seals cracks around windows and doors; made of the best grade rubber, one-half inch wide for windows, three-fourths inch wide for tops and sides of doors, one inch wide for bottom of doors. Put up in packages containing fifty feet.

Inches...	½	¾	1
Per ft....	3½c	4c	5½
Per pkg..	$1.45	$1.90	$2.4

Coat, Hat and Umbrella Hook

4-B-3665. Double pattern. Height, 9 inches. Projects from wall 4½ inches. Spread 10 inches.
Each.....**55c**

4-C-3671. Heavy iron hooks. Suitable for schools and public coat rooms. Japanned finish. Strong and durable. Length, 3 inches.
Per dozen.....**60c**

4-C-3674. Japanned iron, a strong, durable hook, with screw end. Quickly and easily put up without the aid of tools, Serviceable and satisfactory.
Per dozen.....**50c**

CLOSET AND WARDROBE HOOKS

4-B-3669. Made from heavy copper plated plain steel wire. Will not rust, Gimlet pointed screws. Length, 3 inches.
Per dozen.....**15c**

COAT AND HAT HOOKS

4-B-3667, Made of copper plated spring steel wire. Gimlet pointed screws. Length, 3 inches.
Per dozen.....**12c**

Coat Hat and Umbrella Hook

4-B-3663

Electro polished antique copper finish. Screws to match. 7 ins. high, from wall, 4 inches.
Each.....**30c**

BOX OR TRUCK CASTERS

4-C-3801. Heavy iron stationary box or truck casters. Strong and substantial. Price does not include screws.
3-inch Wheel. Each.....**36c**
4-inch Wheel. Each.....**45c**

Roller Bearing Truck Casters

4-C-3805. For Trucks, Boxes, Chests or any other purpose where a strong, heavy caster is required.

Size of Wheel	Size of Plate	Per Set of Four	Size of Wheel	Size of Plate	Per Set of Four
1⅛	1-3/16x2	$0.48	2⅛	2⅛x3⅛	$1.00
1¾	1⅜x2	.60	2½	3 x4½	1.32
1⅝	1⅛x2¾	.75	3⅛	3⅜x4⅞	1.98

Stove or Furniture Casters

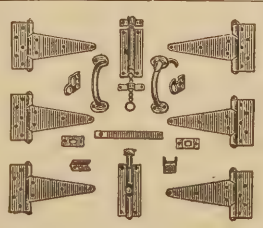
Heavy stoves easily moved around the house with these Casters. Heavy enough for other furniture. Can be attached to a box or platform.
4-B-3829. Price, per set of 4.....**$1.70**

Philadelphia Pattern Furniture Casters

4-B-3828. Furniture Casters, Philadelphia Pattern. ⅞-inch bronzed iron wheels. Strong and durable.
Per set of 4.....**7c**

Swivel Iron Box or Truck Casters

4-C-3803
3-inch Wheel. Each.....**38c**
4-inch Wheel. Each.....**50c**



Garage Door Set

4-C-1605. Garage Set for double swinging door. Three pair of extra heavy 10 in. "T" hinges, one chain bolt, one foot bolt and two thumb latches, furnished complete with screws. Finished in Black Japan.
Set, Complete.... **$3.75**

ANTI-FRICTION ROLLER BEARING CASTERS

Revolves upon a Series of Steel Rollers or Discs. Saves wear and tear on carpets; does not mar the floors.

	Size of Wheel, Inches	Set of Four
4-B-3811..	1⅛	$0.48
4-B-3812..	1¼	.60
4-B-3813..	1½	.77
4-B-3814..	1⅞	1.05

4-C-3925, Heavy polished Wire Hooks and Eyes.

	Inches		
Length...	2	3	4
Each.....	02c	02c	02½c
Dozen...	11c	15c	24c

4-B-3923, Wrought Hooks and Staples.

	Inches	
Length.....	4	6
Price, doz.....	40c	78c
Price, each.....	4c	7c

Hinges Wrought Steel, Standard Size, Strictly First Quality

Size given is measurement from joint to end of hinge. Without screws.

4-C-3929, Light wrought Steel strap Hinges. Size given is length from joint to end of hinge.

Size, inches.....	3	4	5	6
Takes Screw No...	6	7	8	9
Price, per pair....	9c	12c	13c	18c

4-C-3931, Heavy wrought Steel Strap Hinges. Size given is length from joint to end of hinge.

Size, inches..	6	8	10	12	14
Screw No....	10	12	12	14	16
Price, pair...	20c	35c	54c	81c	$1.06

4-B-3933, Wrought steel Screw Strap Hinges. Each pair requires two ⅜-inch and four ⅝-inch bolts to put them on. Bolts are not included at prices quoted.

Size, inches.....	10	12	14
Price, per pair.....	33c	39c	48c

STAIR RAIL BRACKETS

Projects two inches from wall to center of rail. These brackets are used to support hand railing.
4-B-15022, Copper bronze finish Each..... **12c**

4-B-3913, Heavy wrought steel hasp with double hook and staples.

Length, inches....	6	8	10
Price, each.....	4c	5c	7c

YANKEE DOOR CATCH

4-B-3915, For holding open swinging doors. Made of cast iron, japanned.
Each..... **9c**

WROUGHT LIGHT STEEL "T" HINGES

WROUGHT HEAVY STEEL "T" HINGES.

4-C-3927

Size, inches.....	3	4
Price, per pair.....	9c	11c

Size, inches....	5	6	8
Price, per pair..	14c	16c	22c

4-C-3909 Size.. 6 8
Pair.. 18c 22c

Extra Heavy "T" Hinges. 4-C-3910

6 ins.	8 ins.	10 ins.	12 ins.
25c Pr.	42c Pr.	60c Pr.	87c Pr.

PRESSED STEEL BRACKET

PER PAIR, 10c

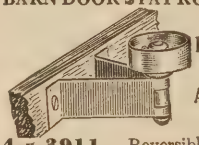
4-C-3451, Strong and unbreakable, Japanned finished without screws.

Size, inches.....	4x5	6x8	7x9
Price, per pair....	10c	21c	25c
Size, inches.....	8x10	10x12	12x14
Price, per pair....	28c	40c	65c

TINNED SAFETY GATE HOOKS AND STAPLES

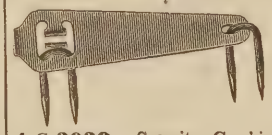
4-B-3961, Length, 4 and 6 inches.
Price, each..... **12c 18c**

BARN DOOR STAY ROLLERS



Reversible and Adjustable

4-B-3911, Reversible for inside and outside doors. Adjustable for any thickness of door. Diameter of wheel, 2 ins.
Price, each..... **12c**



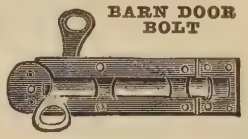
4-C-3939, Security Combination Hook and Hasp. Wrought Steel. Length, 8 ins. Each... **8c**

4-C-3935, Heavy Wrought Steel Hinge.

Length, inches...	3	6	8	10
Each.....	7c	12c	12c	22c

BARN DOOR LATCH

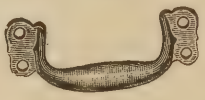
4-B-3951, Automatic sliding or swinging door latch with attachment for lock. Strong and durable. The latch can be thrown back, leaving the edge of door clear; has inside latch and pull. Price, each..... **40c**



BARN DOOR BOLT

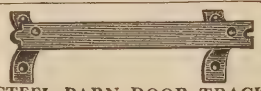
4-B-3907, Heavy pattern, suitable for stable and out-houses. Length, 8 ins.
Price, each... **30c**

BARN DOOR PULLS
4-B-3963, Extra heavy cast iron.
Each..... **2c**



STEEL CENTER BRACKET

4-B-3905, Steel Center Brackets for track 4-B-3903. Japanned finish complete with lag screw for attaching. Price, each..... **18c**

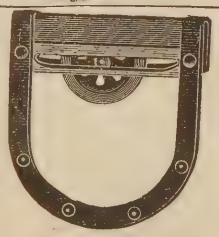


STEEL BARN DOOR TRACK
4-B-3947, Strong and rigid. Suitable for any ordinary door Size, ⅝x1 inch. Lengths, 4, 6, 8 and 10 feet.
Price, per foot..... **7c**

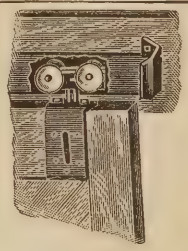
EXTRA HEAVY TRACK
4-B-3919, For use with hinge joint or other styles of barn door hangers. Made of steel. Sizes, 1¼x⅜ inch. Comes in lengths, 4, 6, 8 and 10 feet.
Price, per foot..... **9c**

HINGE JOINT BARN DOOR HANGERS

4-C-3921, Hinge joint makes it possible to swing the door in or out. Provided with a guard, making it impossible to jump the track. Has chilled roller bearings. Wheel, axles and bearings are fully protected from the weather.
Price, per pair..... **90c**



BARN DOOR HANGERS



LOOSE AXLE ANTI-FRICTION HANGERS

Guaranteed not to bind or jump the track. Wheels are mounted on hardened steel axles. Our prices do not include bolts.

4-C-3941, For doors 6 foot run. Diameter of wheel, 3 inches. Requires ⅝-inch bolts.
Per pair..... **$1.10**

4-C-3943, For doors 8-foot run. Diameter of wheel, 4 inches. Requires inch bolts.
Per pair..... **$1.35**

ANTI-FRICTION ROLLER BEARING BARN DOOR HANGERS

Made entirely of steel except the wheel. The axle is of hardened steel Prices do not include bolts.

4-B-3917, Size of wheel, 3½ inches. For small and medium size doors.
Per pair..... **75c**

4-B-3919, Size of wheel, 4 inches. Suitable for the largest size doors.
Per pair..... **90c**

ROLLER BEARING TROLLEY HANGERS

Wheels run inside of hollow steel track. Can not bind or jump the track. Suitable for doors, 1½ to 2¼ inches thick. A set consists of two hangers two end brackets and one center bracket. Complete with screws and bolts.

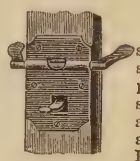
4-B-3901, Price per set, complete without track..... **$1.80**

4-B-3903, Trolley track for above hangers, brackets not included. Lengths, 4, 5, 6, 8 and 10 feet.
Price, per foot..... **22c**

GATE HINGE
4-B-3953,

Will swing both ways. Does not require spring or weight. Wrought upper hinge, cast lower hinge. Japanned finish.
Per set..... **90c**

GRAVITY GATE LATCH
4-B-3959



Overcomes shrinking and sagging of gate posts. Made of steel and malleable iron. Easily applied.
Price, each **20c**

4-B-3957, For right or left hand gates. Also gates that swing both ways. Adjustable to meet any sag in the gate.
Each..... **20c**

Standard Wire Nails

Full Length—All Sizes

These wire nails are regular standard stock, high grade and full length. The prices below are figured from the latest quotations received by us at the time this book was printed. The present uncertain conditions of the nail market necessitate that all our quotations be made subject to change without notice. Your order will be shipped at prices which prevail at the time it is received. We will see that you get every possible benefit of a decline in prices.

COMMON WIRE NAILS
2-B-4001

Size	Per Keg	Per lb.
2d	$5.70	7c
3d	5.40	
4d	5.05	
6d	4.85	
8d	4.55	
10d	4.45	
12d	4.40	
16d	4.35	
20–60d	4.25	

FINE OR LATH
2-B-4009

Size	Per Keg	Per Lb.
3d	$5.85	7c

FINISHING NAILS
2-B-4003

Size	Per Keg	Per Lb
2d	$6.25	8c
3d	5.80	
4d	5.50	
6d	5.25	
8d	4.85	
10d	4.70	
12d	4.65	
16d	4.50	
Larger	4.40	

CASING NAILS
3-B-4005

Size	Per Keg	Per Lb
2d	$5.95	8c
3d	5.60	
4d	5.35	
6d	5.00	
8d	4.75	
10d	4.60	
12d	4.55	
16d	4.45	
Larger	4.35	

ROOFING NAILS

2-C-4060. Bright Large Head Barbed Roofing Nails, ⅞ inch, No. 10 ..... $7.50, Keg— 9c, Lb.

2-C-4061. Bright Large Head Barbed Roofing Nails, 1¼ inch, No. 10 ..... $7.00, Keg— 9c, Lb.

2-C-4062. Galvanized Large Head Barbed Roofing Nails, ¾ inch, No. 10 ..... $10.00, Keg—11c, Lb.

CEMENT COATED NAILS
2-B-4059

Size	Per Keg	Per Lb.
3d	$5.10	6c
4d	4.75	
6d	4.55	
8d	4.25	
10d	4.15	
16d	4.25	
20–60d	4.15	

GALVANIZED SHINGLE NAILS
2-B-4013

Size	Per Keg	Per Lb.
3d	$7.30	9c
4d	7.10	

STANDARD NAIL SIZES AND LENGTHS IN INCHES.

Size	Length, Ins.	Diam. Ins.
60d	6	9/32
40d	5	7/32
30d	4½	13/64
20d	4	3/16
10d	3	5/32
8d	2½	5/32
6d	2	1/8
4d	1½	1/8
3d	1¼	3/32
2d	1	3/32

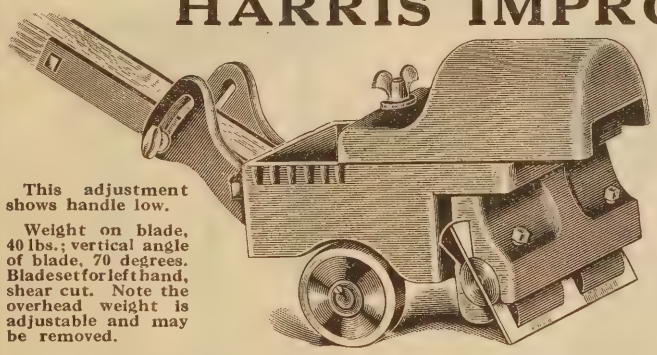
STEEL WIRE BRADS
2-B-4017. Put up in 1 pound packages.

Length, inches	½	⅝	¾	⅞	1	1¼	1½
Gauge wire	19	18	18	17	16	15	15
Price, per pound	19c	18c	16c	15½c	15c	14½c	14c

SLIM WIRE NAILS
2-B-4619. Put up in 1 pound packages.

Length, inches	¾	⅞	1	1¼	1½
Gauge wire	18	17	16	15	15
Price, per pound	18c	14c	14c	13c	13c

HARRIS IMPROVED PATENTED "ADJUSTABLE" Ball Bearing Floor Scraper



This adjustment shows handle low.

Weight on blade, 40 lbs.; vertical angle of blade, 70 degrees. Blade set for left hand, shear cut. Note the overhead weight is adjustable and may be removed.

OUR SPECIAL INTRODUCTORY OFFER:
A $60.00 Scraper with 6 Blades . . . $29.50

This is the eighth year that this scraper has been on the market. Each succeeding year the demand has grown until today it is without doubt, the best and lowest priced machine offered. It is guaranteed to do the work. First class material and workmanship throughout. Any parts broken due to defective workmanship or material will be replaced free within one year provided the defective part is returned to our plant at Chicago. The exchange will be made at our expense.

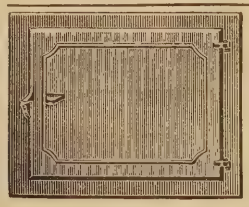
Our object in making this special offer is to introduce the floor scraper which, in our opinion, is by far the best scraper on the market today. Here is your chance to buy and own a regular $60.00 floor scraper and save more than its cost to you. A fortunate buying arrangement enables us to give you the benefit of this saving.

This machine can be used by anyone for any kind of practical floor scraping. Easily adjusted to suit the convenience of the operator. Blade adjustable to any vertical or lateral angle to the floor. Overhead weight adjusted to give 30 to 40 pounds pressure directly on blade. Scrapes up into the corners.

Simply push and pull the machine forward and backward in an easy natural way. Ball bearing rubber tired wheels make the work easy. Weight can be removed for finishing work. Under a uniform pressure, a true and even surface is assured. Weight of machine, 125 pounds. Six blades, 8 inches wide, made of Disston Saw Steel. Burnisher and wrench included.

Extra Blades, each 90c

10-B-1620. Harris Improved Patented Adjustable Floor Scraper, complete, F. O. B. Chicago, Each $29.50



ASH PIT DOORS

$1.00 AND UP

17-C-26. These ash pit doors are made of extra heavy cast iron, easily fitted and absolutely tight. Japanned.

	Opening Size	Price
No. 1	8x 8	$1.00
No. 3	10x12	1.50
No. 5	12x15	2.50

COAL CHUTES $11.00

Designed to be placed in a cellar wall same as any window. These chutes serve as a substantial protection to your building, a convenient opening for depositing coal, wood and other material into the basement.

The body of chute is made of heavy steel; the door of strong gray cast iron. All parts are nicely painted before shipment. Hopper can be removed if desired. When the door closes, the hopper swings back into the chute and allows the door to close against the wall.

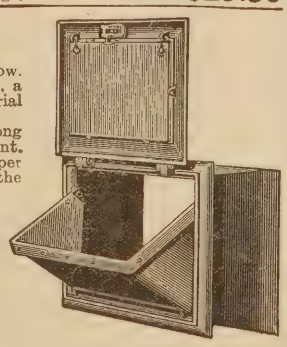
SIZE OF WALL OPENING

17-B-152. Size 24 in. wide, 17 in. high and 13 in. deep, with hopper $13.00

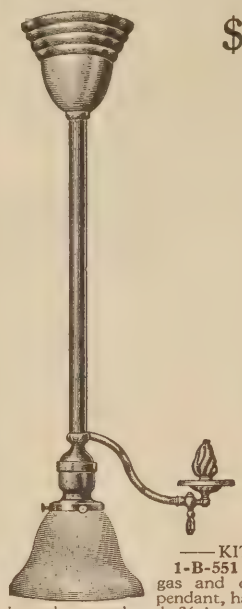
17-B-153. Size, 33 in. wide, 22 in. high and 18 in. deep with hopper $24.00

17-B-154. Size, 24 in. wide, 17 in. high and 13 in. deep, without hopper $11.00

17-B-155. Size, 33 in. wide, 22 in. high and 18 in. deep, without hopper $21.50



The "Colonial" Electric Fixture Set



$19.75 For this handsome nine-piece "Colonial" electric fixture set complete with, glassware and wiring.

The "Colonial" design electric fixture set includes the fixtures shown on this page, also drop cords for the pantry and basement, listed at bottom of page.

IF YOU NEED A COMPLETE SET of electric fixtures and do not wish to spend much money, we recommend the "Colonial" design electric fixtures. These fixtures are without a doubt the cheapest on the market, but we have not sacrificed workmanship or quality. They are finished and manufactured of the same quality metalware as the highest priced fixtures shown in this book. The patterns are not as elaborate as most of the other electric fixtures shown, but you will be highly pleased with the exceptional value we are offering.

THE FINISH: All the metal parts of these fixtures are made of solid brass except the chains and stem which are brass plated. The fixtures are furnished in brush brass and black finish. The bathroom fixture is nickel plated and the porch fixture is finished black. **For Oxidized Copper or Silver Gray special finishes, add 20% to these prices.**

THE GLASSWARE of the parlor, dining-room and bathroom fixtures are heavy pressed glass which closely resembles real cut-glass. The kitchen, porch and bedroom fixtures have pure white frosted glassware which throws a very soft light. The hall pendant has a frosted shade in a pretty embossed reed and ribbon design.

—— KITCHEN ——

1-B-551 Combination gas and electric kitchen pendant, has a 4½ in. embossed canopy length 36 in. to the bottom of shade, spread 8 in., 2¼ in. socket cover, key socket. If you do not need the gas combination, this fixture can be furnished for electric only at 55 cents cheaper. (If pull chain socket is wanted, add 45c.) Price complete as shown..... **$2.95**

—— BATHROOM ——

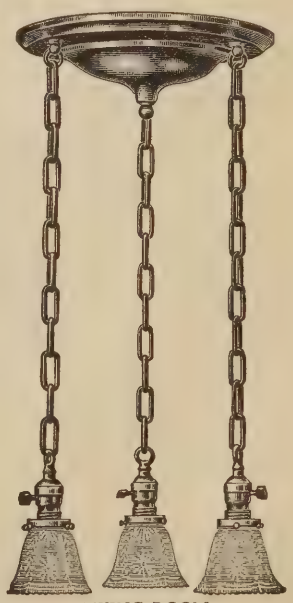
1-B-552. Bathroom fixture, embossed wall plate 4½ in. in diameter extends 6 in. from wall, nickel plated so as to match other bathroom fittings; artistic globe closely resembles cut-glassware, 2¼ in. brass shade holder. (Pull chain socket can be furnished at 45c extra.) Price complete as shown..... **$1.50**

—— BEDROOM ——

1-B-554. Bedroom pendant 36 in. long to bottom of glassware, has 4½ in. embossed brass ceiling canopy. From the canopy extends a brass plated stem connecting with the brass plated chain, 2¼ in. shade holder, key socket, white crystal roughed inside globe. (If pull chain socket is wanted add 45c.) Price complete as shown..... **$1.75**

—— PORCH ——

1-B-553. Porch fixture wired for one light with keyless socket, 3¼ in. brass pan finished a dead black. Weatherproof keyless socket to withstand weather. Furnished with 6 in. crystal roughed inside globe. Price complete as shown **$1.25**



—— DINING ROOM ——

1-B-556. Two-light Shower which we have planned for the dining room. However, if you have a den or library, it can be used in either of these rooms. Has 14 in. round embossed spun brass ceiling plate from which hangs two brass plated chains, 2¼ in. brass shade holder. Length 36 in. over all. Furnished with embossed glassware which closely resembles genuine cut-glass, key sockets. Price complete as shown. **$4.50**

—— HALL ——

1-B-557. Hall fixture wired for one light with key socket, length to the bottom of glassware 20 in., embossed brass canopy from which extends a brass plated stem connecting with the chain. 2¼ in. brass holder and frosted shade in a handsome reed and ribbon design. (If pull chain is wanted add 45c.) Price complete as shown..... **$1.50**

—— LIVING ROOM ——

1-B-555. Three-light living room Shower, round embossed spun brass ceiling pan 14 in. in diameter. From the ceiling pan hangs three brass plated chains, which hold three key sockets. 2¼ in. brass shade holder, furnished complete with pressed glassware which closely resembles high grade genuine cut-glass, an inexpensive but very good looking fixture. Price complete as shown. **$5.25**

—— PANTRY DROP CORD ——

1-B-509. One-light pantry drop cord furnished complete with 3 ft. of standard twisted cord, brass canopy, key socket, lamp guard, which prevents lamps from getting broken. (Furnished with pull chain socket at an extra charge of 45c.) Price complete.. **$1.15**

—— BASEMENT DROP CORD ——

1-B-519. Basement drop cord furnished complete with porcelain rosette, porcelain key socket, lamp guard and 3 ft. of weather proof cord. (Can be furnished with pull chain socket at 45c.) Price complete..... **$1.20**

The "Sunshine" Electric Fixture Set

$27.95 Will buy this ten-piece "Sunshine" electric fixture set complete with glassware and wiring.

With the "Sunshine" electric fixture set we include a drop cord for the pantry and basement described below.

THE "SUNSHINE" electric fixtures are high grade and moderately priced, and although they are modest in design they are finished with just as much care as the higher priced fixtures. The spun brass canopies are embossed in a neat design which harmonizes nicely with the handsomely embossed glassware. For your convenience the fixtures are priced separately so that you can make your own selection if you so desire.

THE FINISH: The metalware of these fixtures is solid brass with the exception of the chains and stems which are brass plated. These fixtures are furnished in the popular brush brass and black finish. The bathroom fixture is nickel plated and the porch fixture is dead black to withstand the weather.

For Oxidized Copper or Silver Gray special finishes add 20% to these prices.

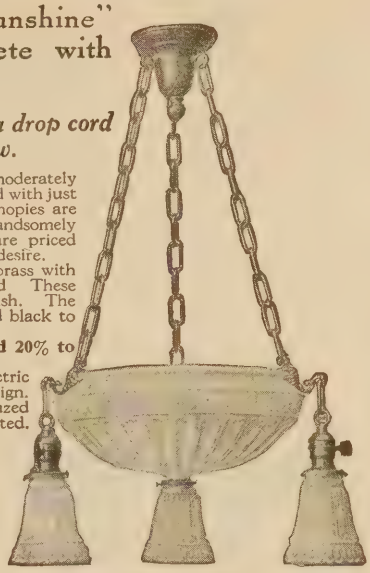
THE GLASSWARE used with the "Sunshine" design electric fixtures is pure white in color, richly embossed in a neat panel design. The glassware is finished in a new satin finish outside and glazed inside, which throws a very soft light when the fixture is illuminated.

—— LIVING ROOM ——

1-B-490. Semi-indirect parlor fixture wired for one light with keyless socket, length 36 in. to bottom of glass bowl, spun brass canopy which is embossed in a panel design to harmonize with the pretty 15 in. bowl, brass plated chains and brass bowl hooks. Price complete as shown..... **$4.45**

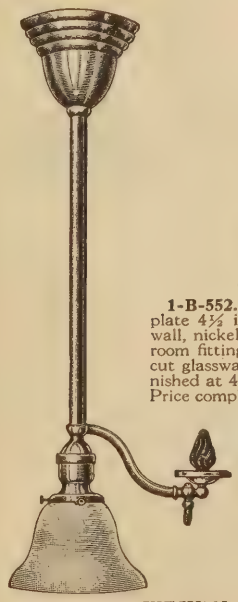
—— PORCH ——

1-B-553. Porch fixture wired for one light with keyless socket, 3¼ in. brass pan finished a dead black, and weatherproof socket to withstand weather. Furnished with 6 in. crystal, roughed inside globe. Price complete as shown..... **$1.25**



—— DINING ROOM ——

1-B-491. Handsome dining room fixture wired for four lights, length 36 in. to bottom of glassware, spread 18 in., has 6 in. embossed brass canopy harmonizing with embossed glassware. From the canopy stem extend three brass hooks on which hang the brass plated chains supporting a 16 in. bowl and three shades. Embossed brass socket covers, one keyless and three key sockets. Price complete as shown..... **$6.95**

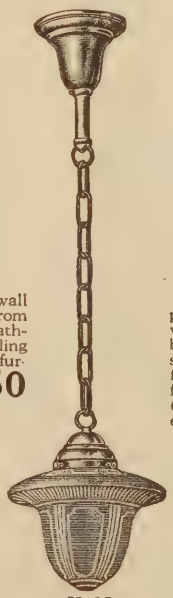


—— KITCHEN ——

1-B-551. Combination gas and electric kitchen pendant has a 4½ in. embossed canopy, length 24 in. to bottom of shade, spread 8 in. 2¼ in. socket cover, key socket. If you do not need the gas combination, this fixture can be furnished for electric only at 55c cheaper. (If chain socket is wanted add 45c.) Price complete as shown.. **$2.95**

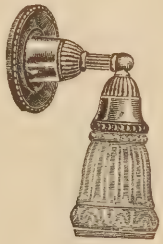
—— BATHROOM ——

1-B-552. Bathroom fixture embossed wall plate 4½ in. in diameter extends 6 in. from wall, nickel plated so as to match other bathroom fittings, artistic globe closely resembling cut glassware. (Pull chain socket can be furnished at 45c extra.) Price complete as shown..... **$1.50**



—— HALL ——

1-B-495. Hall pendant wired for one light with keyless socket, 36 in. to the bottom of handsomely designed glass urn, 4½ in. spun brass canopy, brass plated chains. Has 6 in. spun brass holder which supports 8 in. crystal, roughed inside glass urn. Price complete as shown..... **$5.25**



—— UPPER HALL ——

1-B-496. One-light bracket which we planned for the upper hall, 4½ in. spun brass wall plate with fancy brass plated stem holding brass socket cover which is embossed in the same design, extends 6 in from wall. This fixture can also be used as a side wall fixture for the living room or dining room. Key socket. (If pull chain is wanted add 45c extra.) Price complete as shown. **$1.95**

—— BEDROOM ——

1-B-554. Bedroom pendant, 36 in. long to bottom of glassware, has 4½ in. embossed brass ceiling canopy. From the canopy extends a brass plated stem connecting with the brass plated chain, 2¼ in. shade holder, key socket, white crystal roughed inside globe. (If pull chain socket is wanted add 45c extra.) Price complete as shown..... **$1.75**

——PANTRY DROP CORD——

1-B-509. One-light pantry drop cord furnished with 3 ft. of standard twisted cord, brass canopy, key socket, lamp guard, which prevents lamps from getting broken. (Furnished with pull chain socket at an extra charge of 45c) Price complete..... **$1.15**

——BASEMENT DROP CORD——

1-B-519. Basement drop cord furnished complete with porcelain rosette, porcelain key socket, lamp guard and 3 ft. of weather proof cord. (Can be furnished with pull chain socket at 45c extra.) Price complete as shown..... **$1.20**

The "Blackstone" Electric Fixture Set

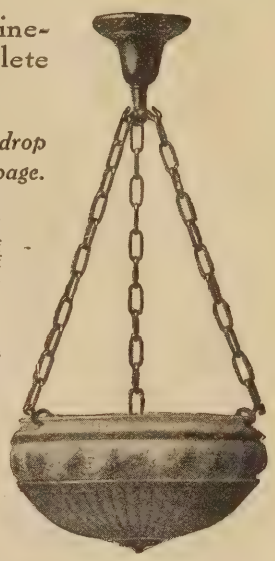
$46.00 Will purchase the "Blackstone" nine-piece electric fixture set complete with glassware and wiring.

This complete "Blackstone" electric fixture set includes a drop cord for the basement and pantry which are at bottom of page.

THE PLEASING DESIGN OF THE "BLACKSTONE" electric fixtures attracts instant admiration. The embossed canopies have a fancy design which harmonizes very nicely with the oak leaf design of the glassware. The fixtures shown are the ordinary requirements of a home, but if you do not need all of the fixtures shown or if you wish to make your own selection, we have priced the fixtures separately for your convenience.

THE FINISH: All metalware of these fixtures is made of solid brass except the chains which are brass plated. We furnish fixtures in brush brass and black finish which is most serviceable. The porch fixture is furnished in dead black finish. Bathroom fixture is nickel plated. **For oxidized copper or silver gray special finishes add 20% to these prices.**

THE GLASSWARE of the "Blackstone" design electric fixtures is embossed in an oak leaf pattern. It is satin finished outside and glazed inside, thus reflecting a soft light. This glassware is now furnished in a new finish called the brown tone finish. It is delicately tinted or high-lighted in burnt brown color which cannot be fully appreciated until you have seen it illuminated in your home.



—— DINING ROOM ——

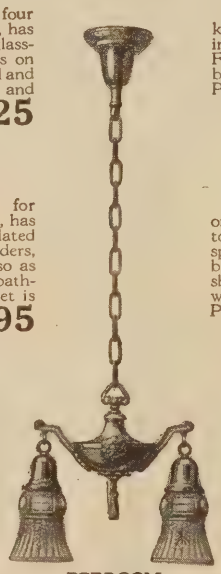
1-B-501. Handsome dining room fixture wired for four lights, length 36 in. to bottom of glassware, spread 18 in., has 6 in. embossed brass canopy harmonizing with embossed glassware. From the canopy stem extend three brass hooks on which hang the brass plated chains supporting a 16 in. bowl and three shades. Embossed brass socket covers, one keyless and three key sockets.
Price complete as shown..... **$14.25**

—— LIVING ROOM ——

1-B-500. Semi-indirect living room fixture wired with keyless socket for one light, length to bottom of glass bowl 36 in., fancy embossed brass ceiling canopy 6 in. in diameter. From the canopy extends a brass rod on which hangs three brass plated chains supporting a 16 in. fancy bowl.
Price complete as shown..... **$9.15**

—— BATHROOM ——

1-B-502. One-light bracket for bathroom, extends 6 in. from wall, has 4½ in. brass wall plate, brass plated stem, key socket, 2¼ in. shade holders, furnished in nickel plated finish so as to harmonize with the rest of the bathroom fittings. (If pull chain socket is wanted add 45c.)
Price complete as shown.. **$1.95**



—— PORCH ——

1-B-503. Porch fixture wired for one light with keyless socket, length to bottom of glassware, 8 in. Has spun brass ceiling ring, and 2¼ in. brass holder supporting a 2¼x8 in. shade. Furnished in dead black finish with weather proof socket.
Price complete as shown.. **$2.30**

—— HALL ——

1-B-505. Hall pendant wired for one light with keyless socket, length, 18 in. to bottom of fancy embossed urn, has 5 in. spun brass canopy brass plated chain, 4-in. spun brass holder supporting a 4x8 in. fancy embossed urn. Price complete as shown.. **$4.55**

—— BEDROOM ——

1-B-504. Two-light pendant which we have planned for the master bedroom, library or den, length 36 in. over all, spread 11 in. 5 in. fancy brass canopy, brass plated chain. The spun brass body has applied fancy castings and supports two cast arms which hold the shades. Brass socket covers and key sockets. Fancy tassel hangs from the body.
Price complete as shown..... **$9.75**

—— KITCHEN OR BEDROOM ——

1-B-506. One-light chain pendant which can be used in the kitchen or the bedroom if desired. The glassware is exactly the same as that used with all other fixtures in this set. Length 36 in., spun brass 5 in. canopy, brass plated chain, 2¼ in. brass socket cover. (If pull chain is wanted add 45c.)
Price complete as shown.. **$2.10**

—— PANTRY DROP CORD ——

1-B-509. One-light pantry drop cord furnished complete with 3 ft. of standard twisted cord, brass canopy, key socket, lamp guard, which prevents lamps from getting broken. (If pull chain socket is wanted add 45c.)
Price complete..... **$1.15**

—— BASEMENT DROP CORD ——

1-B-519. Basement drop cord furnished complete with porcelain rosette, porcelain key socket, lamp guard and 3 ft. of weather proof cord. (Can be furnished with pull chain socket at 45c extra.)
Price complete..... **$1.20**

The "Berkeley" Electric Fixture Set

$55.30 Will purchase the "Berkeley" nine-piece electric fixture set complete with glassware and wiring.

This complete "Berkeley" electric fixture set includes a drop cord for the basement and pantry listed at bottom of page.

THE BERKELEY DESIGN Electric Fixture Set presents one of the newest, most attractive combinations created this season. You will note the fixtures for all rooms harmonize perfectly. A splendid effect is gained by suspending the glassware from short artistically shaped arms. An unusually high grade combination offered complete, or priced separately for your convenience.

THE FINISH: The metal ware of all fixtures is made of solid brass, except the chains which are brass-plated. Regularly furnished in the ever-popular brush brass and black finish. If oxidized copper or silver grey finishes are wanted, add 20% to these prices.

THE GLASSWARE of the "Berkeley" Electric Fixture Set has been chosen with utmost care to match the elegant design of the fixture. It is hand decorated in a floral wreath design. Satin finish outside and glazed inside, reflecting a soft light. Small shades are fluted to match large bowl in dining room fixture.

— DINING ROOM —

1-B-680. Dining Room fixture wired for 5 lights combining both direct and indirect lighting. Length 36 inches to bottom of bowl. Spread, 17 inches. Bowl measures 12 inches in diameter; 4 small shades to match. Standard sockets. Price complete, as shown... **$18.25**

— LIVING ROOM —

1-B-681. Artistic 5-light ball living room lamp electrolier. Length 36 inches to end of glassware, spread 15 inches. Heavy closed body. When frosted ball lights as illustrated are used, the fixture is shown with detachable wreath on the shade holders. This wreath can be removed and is fitted to hold lamp and shades if wanted. Key sockets. Price complete, as shown..... **$14.50**

BATH FIXTURE

1-B-685. Sanitary bathroom drop fixture. Furnished complete as shown, all white enameled with artistic marble white embossed design shade. Wired complete. Length, 36 inches. Key sockets.
Price each,
$3.45

— HALL FIXTURE —

1-B-682. Two-light ball lamp electrolier. Length 36 inches to bottom of glassware. Spread 12 inches. Heavy closed body. Wreath on socket detachable with shade holder to accommodate glassware if used in place of white ball lamp.
Price each..... **$7.75**

— WALL BRACKETS —

1-B-684. One-light wall bracket extends 4¾ inches. 6 in. brass oval plate. Fancy gas arm. Key socket. Wreath detachable and fitted to hold shade if used in place of ball lamp.
Price complete..... **$2.75**

1-B-683. One-light wall bracket. Extends 4¾ inches. Made with 6 inch brass oval plate with gas arm. Key socket. Attractive Roman wreath shade.
Price complete..... **$2.80**

— KITCHEN FIXTURE —

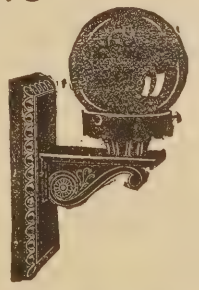
1-B-515. One-light kitchen fixture, length 36 in. over all, spun brass canopy, brass plated chain key socket, 2¼ in. holder. Furnished with 60 Watt white Luna shade which gives a clear light so necessary in the kitchen. (Pull chain socket can be furnished at an extra charge of 45c.)
Price complete..... **$3.50**

— PANTRY DROP CORD —

1-B-509. One-light pantry drop cord furnished complete with 3 ft. of standard twisted cord, brass canopy, key socket and lamp guard which prevents lamps from getting broken. (Furnished with pull chain socket at an extra charge of 45c.)
Price complete..... **$1.55**

— PORCH —

1-B-516. Cast iron porch bracket with back size 4¼x7¼ in. Extends 6 in. Finished dead black. Weather-proof socket. Frosted glass ball, 3¼x7 in. Keyless socket. Price, complete
$3.65



— BASEMENT DROP CORD —

1-B-519. Basement drop cord furnished complete with porcelain rosette, porcelain key socket, lamp guard and 3 ft. of weather-proof cord. (Can be furnished with pull chain socket at 45c.)
Price complete..... **$1.60**

ELECTRIC WIRING MATERIAL

New Code Rubber Covered Copper Wire, Single Braid

Used for open wiring on cleats, tubes or knobs and for holding and loom wirings. Each solid strand conductor copper wire insulated with rubber compound around which is single saturated cotton braid. Unbroken coils of 500 feet bear underwriter's inspection tag. Weights per 100 feet, about 3½ to 19 lbs., according to size.

Article Number	Size		100 Feet
4-B-3010	14	.....	$1.20
4-B-3011	12	.....	1.75
4-B-3012	10	.....	2.25
4-B-3013	8	.....	3.00
4-B-3014	6	.....	4.90
4-B-3015	4	.....	7.15

New Code Twisted Pair Cotton Lamp Cord

Twisted New Code Lamp cord consisting of 2 fine copper conductor strands twisted together. It is covered with fine quality yellow and green interwoven cotton. Made to be used for drop lights, extensions and general small work. Shipping weights per 100 feet, about 6½ to 13 lbs., according to size.

Article Number	Size		100 Feet
4-B-3023	18	.....	$2.10
4-B-3024	16	.....	2.85
4-B-3025	14	.....	4.20

Weather Proof Copper Wire

Made for outside work, being constructed to stand weather and severe use. Conductor rubber covered wire. Consists of a solid copper wire conductor covered with three layers of waterproof saturated cotton braid insulating material. Shipping weights per 100 feet about 3 to 17 lbs., according to size.

Article Number	Size		100 Feet
4-B-3030	14	.....	$1.20
4-B-3031	12	.....	1.45
4-B-3032	10	.....	1.95
4-B-3033	8	.....	2.70
4-B-3034	6	.....	3.80
4-B-3035	4	.....	5.00

Conduit Locknuts

Article Number	Size	Ship. Wt.		Per 100
4-B-3042	½ in.	½ oz.	.....	$0.78
4-B-3043	¾ in.	¾ oz.	.....	1.12
4-B-3044	1 in.	1 oz.	.....	2.10

Porcelain Tubes

Used where wire is drawn through partition or joists. Made of porcelain. Takes single braid rubber covered or waterproof wire. Inside diameter, ⅝ inch. Will take 14, 12 or 10 wire. Inside diameter, ⅝ inch, will take 8, 6 or 4 wire. Length below is measurement from underhead to end.

Article Number	Lgth.	Inside Diam.	Per 100		Per 100
4-B-3050	3 in.	⅝ in.	7½lbs.	.....	$0.80
4-B-3051	4 in.	⅝ in.	9 lbs.	.....	.90
4-B-3052	6 in.	⅝ in.	13 lbs.	.....	1.40
4-B-3053	8 in.	⅝ in.	15½lbs.	.....	2.70
4-B-3054	3 in.	⅝ in.	11 lbs.	.....	1.00
4-B-3055	4 in.	⅝ in.	13½lbs.	.....	1.20
4-B-3056	6 in.	⅝ in.	19½lbs.	.....	1.70

New Code Parallel Silk Lamp Cord

Insulated lamp cord consisting of two parallel conductors covered with braided silk. Used for portable lamps and extension lights in homes. Large size only, No. 18. Shipping weight, per 100 feet, 5 lbs.

4-B-3020. Per foot..... **5c**
Per 100 feet.....**$4.50**

New Code Duplex Rubber Covered Wire

Used for wiring in metallic conduit. Consists of 2 solid conductors individually insulated with rubber compound over which is placed one layer of saturated cotton braid. Shipping weights per 100 feet, 6¼ to 13 lbs., according to size.

4-B-3026. Size 14.
Price per 100 feet.....**$2.90**

4-B-3027. Size 12.
Price per 100 feet..... **3.90**

4-B-3028. Size 10.
Price per 100 feet..... **5.00**

(BX) Flexible Armored Cable

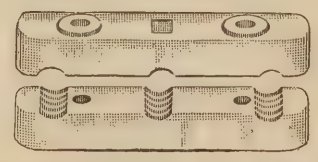
A decided improvement over knob and tube wiring. Consists of 2 or 3 solid copper conductors, rubber insulated, with 2 coverings of cotton braid, around which is placed armored flexible steel jacket. Approved by fire underwriters in all localities for use in finished buildings. More easily and quickly installed than iron conduit. Also used for electrical driven machinery where cables are exposed. Shipping weight per 100 feet, 44 to 60 lbs., according to size.

Article Number	No. of Conduits	Gauge B. & S.	Per Foot	100 Feet
4-B-3036	2	14	8c	$ 7.00
4-B-3037	2	12	12c	11.00
4-B-3038	3	14	12c	11.00

Conduit Bushings

Article Number	Size	Ship. Wt.		Per 100
4-B-3044	½ in.	1 oz.	.....	$1.80
4-B-3045	¾ in.	1½ oz.	.....	2.70
4-B-3046	1 in.	2 oz.	.....	4.90

Glazed Porcelain Cleats



To be used with either 14, 12 or 10 wire. 2 wire cleats have 2½-inch wire centers; 3 wire cleats have 1¼-inch wire centers. Weight per dozen, about 3 lbs.

4-B-3057. Two wire. Per 100..... **$2.75**
4-B-3058. Three wire. Per 100..... **2.85**

New Code Electric Fixture Wire

Designed for wiring electric fixtures, lamps, brackets, chandeliers and short wiring circuits. Single solid copper conductor insulated with rubber compound over which is saturated cotton braid. Shipping weights per 100 feet as follows: No. 18, 3¼ lbs.; No. 16, 4½ lbs.

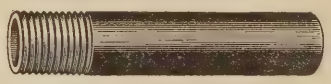
Article Number	Size		100 Feet
4-B-3021	18	.....	75c
4-B-3022	16	.....	93c

New Code Reinforced Portable Lamp Cord

Used for portable extension lights, lamps and electrically operated household equipment. Made to stand continuous hard wear. Made up of twisted lamp cord, over which is placed rubber compound and outside braid of mercerized cotton.

Article Number	Size		100 Feet
4-B-3029	18	.....	$3.60

Rigid Iron Conduit



Designed to give greatest safety. Initial cost is more than knob and tube wiring, but is recommended if you want highest grade everlasting work. Specified for bringing wires to house from main line regardless of interior wiring. New, clean stock coated with black enamel. Resists weather, acid and alkali. Constructed for easy bending without injury to flexible enamel. 10 feet lengths only, threaded two ends with coupling on one end.

Article Number	Size	Ship. Wt. per 100 Ft.	Price Per 10 Foot Length
4-B-3039	½ in.	80	$0.90
4-B-3040	¾ in.	100	1.20
4-B-3041	1 in.	150	2.10

Conduit Straps

Article Number	For Pipe	Ship. Wt.		Per 100
4-B-3047	½ in.	½ oz.	.....	40c
4-B-3048	¾ in.	¾ oz.	.....	60c
4-B-3049	1 in.	1 oz.	.....	70c.

Assembled Split Knobs

4-B-3060

Latest improved and assembled split knob consists of complete new code knob with nail ready to fasten in position. Simply insert wire and drive into place. Big time saver. Diameter, 1⅛ inch; takes 10, 12 or 14 wire. Shipping wt., per 100, 10 lbs.

Per 100.....**$2.50**

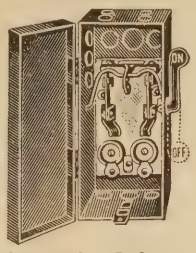
Round Porcelain Knobs

4-B-3061 Solid porcelain knob, New Code No. 5½. Height, 1⅝ in. Diameter, 1⅛ in. ¼ in. hole 5-16 in. groove. Shipping weight per 100, about 12 lbs.
Per 100.....**$1.75**

4-B-3062. New Code No. 4 porcelain knob. Height 11-16 in. Diameter, 1⅛ in. Hole and groove, ⅛ in. Weight per 100, 20 lbs.
Per 100.....**$2.50**

LATEST IMPROVED APPARATUS

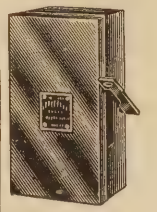
Outside Operated Entrance Switch



This switch is similar to our No. 4-A-3063 safety entrance switch, but is not made with the safety latch feature. Consists of a two pole, 125 volt, 30 ampere, porcelain base plug fuse, entrance switch. Size of steel box, 8¾x4½x3¾ ins. Box is fitted with lever on the outside. It is so constructed that you can secure privacy and protect against theft of fuse plugs by using a padlock. It is made with the knock outs for ½ or ¾ inch conduit, loom or B. X. cable. Convenient holes for mounting it with screws. Finished in black enamel. Shipping weight, about 6¼ lbs.

4-B-4012. Price, each, complete.... **$1.65**

Safety Entrance Switch

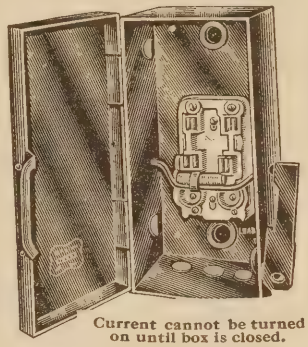


Cannot be opened without current on.

Inclosed type outside operated safety switch, consisting of porcelain base, 250 volt, 30 ampere block fuse switch set in steel box and equipped with outside lever turning current on or off. Eliminates danger of shock. Operated with safety in total darkness. Box cannot be opened until current is turned off and current cannot be turned on until box is closed. For privacy, padlock can be used and only those with keys will then have access to your electric control, preventing theft of fuse plugs. Improved switch brakes tacked cleanly. Plenty of wiring subjects knock outs for ½ or ¾ inch conduit Armored cable connectors and porcelain bushings for use with loom Black enamel finish. For mountings with screws.

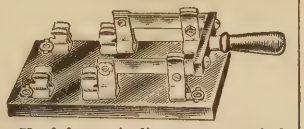
4-B-3063. Safety entrance switch with two-pole, 135 volt, 30 ampere plug fuse switch. Size of box, 10x5x3¾ inches Weight, about 6 lbs. Each..... **$2.05**

4-B-3064. Safety entrance switch with 3 pole, 125 volt, 30 ampere plug fuse switch. Size, 9½x7x3¾ inches. Weight, about 9 lbs. Each..... **$3.00**



Current cannot be turned on until box is closed.

Slate Base Entrance Switches

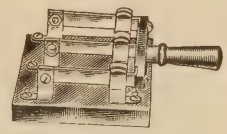


Used for main line cut-out switch where other wires enter houses or small plants. Two pole switch, size 3½x6½x1½ inches. 3 pole switch, 5x6½x1½ inches. Capacity, 250 volts, 30 amperes.

4-B-3065. Slate base switch, 2 pole for cartridge fuse. Weight, 2 lbs. Each..... **$2.45**

4-B-3065½. 3 Pole Switch for cartridge fuses. Price Each..... **$3.70**

Slate Base Cutout Switches



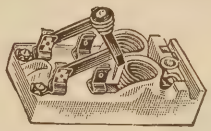
New Code switch with blades of fine copper. Capacity, 250 volts, 30 amperes.

4-B-3066. Single pole switch. Size over all, 2x6x1⅝ inches. Weight, 12 oz. Each..... **45c**

4-B-3067. Two pole switch. Size over all, 3½x4x1⅝ inches. Weight, 1 lb. Each..... **56c**

4-B-3068. Three pole switch. Size of base, 3¾x5½x1½ inches. Weight, 1½ lbs. Each..... **$1.18**

Panel Box Switch



4-B-3069. Made for use in switch box where 2 circuits are to be controlled with separate switch. Capacity 125 volt, 30 amperes. Weight 24 oz. Base size 3x6x1⅞in. Each..... **70c**

Turn Button Snap Switches

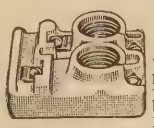
4-B-3070 Single pole and 3-way switches, can be arranged to control light from two different points. 125 volt, 5 ampere, or 250 volt, 3 ampere. Weight each about 4 ounces. Single pole, non-indicating. Each..... **27c**
Single pole, indicating. Each..... **32c**
125 volt, 3 ampere, or 250 volt, 1 ampere.

4-B-3071. 3-way. Each..... **87c**
125 volt, 10 ampere, or 250 volt, 5 ampere.

4-B-3072. Single pole, non-indicating. Each..... **29c**

4-B-3073. Three-way. Each.. **89c**

Two Wire Single Branch



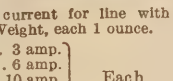
4-B-3074. 2 wire single branch plug cut out, 125 volts, 30 amperes, base size, 3x3½x1⅝ inches. Weight, about 13 oz. Each..... **25c**

Plug Fuses

Made for use on current up to 125 volts. Select smallest size to pass enough current for line carrying greatest lead. Carefully selected fuses mean least possible trouble.

Carried in stock in the following sizes: 3-6-10-12-15-20-25 and 30. Price each..... **6c**

Cartridge Fuses



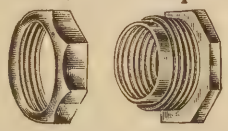
Base Cartridge fuses. Size, 2x9-16 in. Select size that will pass smallest amount of current for line with greatest load. Weight, each 1 ounce.

4-B-3078	3 amp.	Each 11c
4-B-3079	6 amp.	
4-B-3080	10 amp.	
4-B-3081	12 amp.	
4-B-3082	15 amp.	
4-B-3083	20 amp.	
4-B-3084	25 amp.	
4-B-3085	30 amp.	
4-B-3086	40 amp.	Each 20c
4-B-3087	50 amp.	
4-B-3088	60 amp.	

Cleat Rosette Porcelain

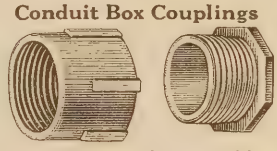
4-B-3089. For installing droplights in cleat wiring systems. Simply fasten base in position and insert wire. Cap turns on base. Weight, each, 8 oz. Each..... **20c**
10 for..... **$1.95**

Conduit Box Couplings



4-B-3090. Made to be used with conduit box bodies with which they complete fitting seam to a unilet or condulet Weight, 3 oz. Each..... **10c**

Conduit Box Couplings



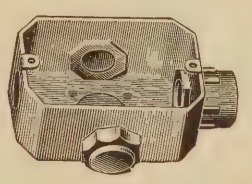
4-B-3091. To be used with ¾ inch rigid iron conduit pipe and can be connected to conduit box body. Weight, 3 oz. Each..... **15c**

Covers for Deep Body Type

4-B-3093 Blank cover to be used when box is being used as pull or junction box only. Weight, 4 oz. Each..... **10c**

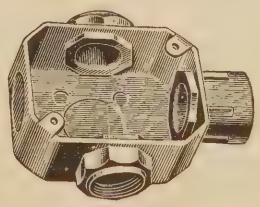
4-B-3094 Hole cover; a face plate when used with 2 button push switch. Weight, 4 oz. Each..... **12c**

Conduit Box Bodies



Deep Type

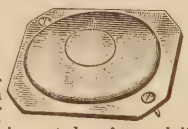
4-C-3092½. Designed to receive all standard flush switches, receptacles, etc., which are mounted in this body same as in any ordinary switch box. 5 knock outs on side and bottom. Size, 3½x2¼x1⅞ ins. Supplied with screws for attaching covers. Weight, 8 oz. Each..... **30c**



Shallow Type

4-B-3092. Made for all general classes of work. Used for junction types and drop cord work. Takes all types of wiring devices (flush type, receptacle switches, etc.). 5 knock-outs in sides and bottom. Size, 2⅞x3¼x1⅛ ins. Screws for attaching covers furnished. Weight, 8 oz. Each..... **25c**

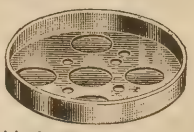
Covers for Shallow Type Body



4-B-3095. Raised cover with ½ inch knock out. Used where junction box only is wanted or for conduit extension. Weight, 3 oz. Each..... **10c**

4-B-3096 Flat cover, with ⅜ inch push opening. Used for drop cords. Smooth edge preventing injury to cord. Each..... **10c**

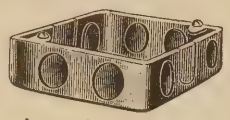
Every Needed Item for House Wiring



Shallow Ceiling Outlet Box

4-B-3097. Made without lugs. Used for fixture with bracket outlet. Knock outs for ½-inch conduit. 4 inch diameter, ½ inch deep. Weight, 7 ounces. Each.....**10c**

4-B-3098. As above except with ⅝-inch knock outs for metallic conduits. Each.....**10c**



Square Outlet Box

Heavy steel outlet box with knock outs on side and bottom for ½-inch gas pipe. Legs and screws for covers. Can be used for junction box or switch box. 4 inches square, 1⅝ inches deep. Weight, 7 ounces. Each.....**17c**

Square Outlet Box Covers

4-B-3099. Open bracket cover. Has ¾-inch crown. Each.....**12c**

4-B-4000. Closed raised cover, ⅜-inch insulating bushing. Each.....**9c**

4-B-4001. Flat closed cover. Each.....**8c**

4-B-4002. Shallow cover, ¾ inch, for single standard push button switch or wall receptacle. Each.....**15c**

4-B-4003. Shallow cover, ¾ inch, for two standard push button switches or wall receptacles. Each.....**18c**

Raised Center Closed Cover

Weight, 4 ounces

4-B-4004. For 4-inch box. Each.**10c**

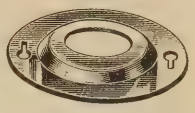
4-B-4005. For 3¼-inch box. Each.....**9c**

Raised Closed Cover

Weight, 4 ounces

4-B-4006. For 4-inch box. Each.**11c**

4-B-4007. For 3¼-inch box. Each.....**10c**

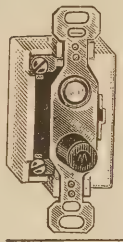


Raised Open Cover

Weight, 4 ounces

4-B-4008. For 4-inch box. Each.**12c**

4-B-4009. For 3¼-inch box. Each **9c**



Push Button Flush Switch

Splendid push button flush switch. Standard shallow type. 1½ inch deep, 1⅞ inch wide. 1 Black, 1 Pearl center button. For 125 volts, 10 ampere current; 250 volt, 5 ampere current. Weight, 6 ounces.

4-B-4010. Single pole switch.....**30c**

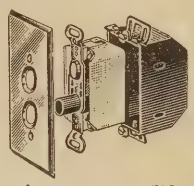
4-B-4011. Double pole switch. Each.....**40c**

4-C-4013. Three way switch. Each.....**50c**

4-B-4014. Four way switch.....**$1.50**

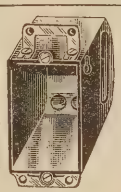
Wall Box Switch and Plate

4-B-4015. Complete box switch and plate combination, including single pole switch, single gang push button, flush switch plate and wall box for loom or knob and tube wiring. This outfit is the one which is used for house wiring, and we feature it at a reduced price for convenience in buying economy. It is assembled from our regular stock of high grade electric wiring apparatus. These items are necessary in the installation of a flush switch or when first class, dependable installation is wanted.



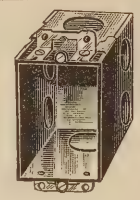
Price of wall box switch and plate as illustrated, complete.....**70**

Wall Box for Conduit or Armored Cable



4-B-4017. Single gang box. Will receive any standard push switch. Knock out holes for ½-in. conduit or armored cable. By removing one side of box and joining two or more boxes together any number of gangs wanted can be made. Length, 3 inches; width, 2 inches; depth, 3¾ inches. Weight, 14 ounces. Each.....**21c**

Sectional Loom Switch Box

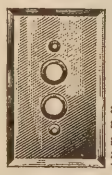


4-B-4016. Any number of gangs can be made up instantly with this box. Perfect alignment regardless of size box is to be built. Can be used with any standard push switch. ⅝ inch knock outs for ¼-inch loom. 2½ inches deep. Weight, 11 ounces. Each **20c**

Wall Box for Loom or Knob and Tube Wiring

4-B-4018. Designed to be used with flexible loom or knob and tube work. Depth, 2½ inches. Diameter of outlet holes, ⅝ inch to take ¼-inch loom. Will receive any standard push switch. Weight, 11 ounces.

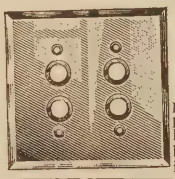
Number	Gangs	Each
4-B-4019	One	16c
4-B-4020	Two	32c
4-B-4021	Three	48c



Face Plate for Single Flush Push Button Switch

4-B-4022. Four attractive finishes are offered for your choice in these heavy solid brass face plates. To cover single gang push button switch. Fits flush against the wall. State finish wanted. Weight, 2 ounces.

Number	Finish	Each
4-B-4023	Brushed Satin Brass	15c
4-B-4025	White Enamel	27c
4-B-4026	Oxidized Copper	27c
4-B-4027	Polished Nickel	27c

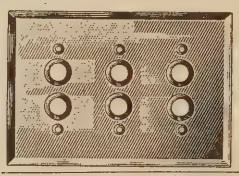


Face Plate for Two-Gang Flush Push Button Switch

Designed for use with two push button flush switch plates together in a two-gang box. Made of heavy solid brass in four attractive finishes. Weight, 2 ounces.

Number	Finish	Each
4-B-4028	Brushed Satin Brass	26c
4-B-4030	White Enamel	53c
4-B-4031	Oxidized Copper	53c
4-B-4032	Polished Nickel	53c

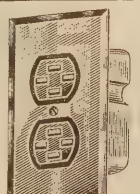
Face Plate for 3-Gang Flush Push Button Switch



Made of solid brass. To be used where three flush switches are placed together within a three-gang box. State finish wanted. Weight, 6 ounces.

Number	Finish	Each
4-B-4033	Brushed Satin Brass	39c
4-B-4035	Oxidized Copper	80c
4-B-4036	Polished Nickel	80c

Duplex Flush Outlet



Made to receive the prongs of any standard attachment plug cap. Two connections can be made to this outlet. Fits in regular metal wall box. Complete with face plate. Weight, 12 ounces.

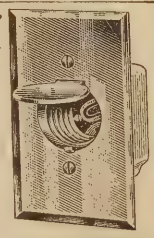
Number	Finish	Each
4-C-4037	Brushed Satin Brass	80c
4-C-4038	Oxidized Copper	
4-C-4039	Polished Nickel	

Standard Flush Outlet

Used for attaching electric household appliances. Eliminates trouble of screwing plug into socket. Prongs of any standard attachment plug can be inserted in slots. Complete with face plate. Weight, 12 ounces.

Number	Finish	Each
4-C-4040	Brushed Satin Brass	60c
4-C-4041	Oxidized Copper	
4-C-4042	Polished Nickel	

Flush Outlet for Edison Base Screw Plug



4-C-4043. Made to receive Edison screw base attachment plug. Install for connections to household appliances. Fits flush to wall or base board. Hinged brass door covers socket. Complete with flush plate. Weight, 10 ounces.

Finish	Each
Brushed Satin Brass Oxidized Copper Polished Nickel	50c

Brass Shell Key Socket

National electrical standard socket with key to turn current off and on. Fibre lights, ⅛-inch cap. Will receive any Edison base lamp. Weight, each 3 ounces.

4-C-4047. Brushed Brass finish.....**30c**

4-B-4048. Oxidized Copper finish or Polished Nickel....**57c**

Brass Shell Pull Socket

National Electric Code Standard Socket with 8-inch chain to control current. Brass shell fibre line, ⅛-inch cap. Weight, 3 ounces.

4-C-4049. Brush Satin Brass finish. Each.....**45c**

4-B-4050. Oxidized Copper finish.....**95c**

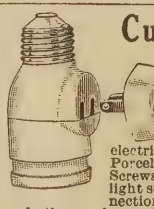
4-B-4051. Polished Nickel finish.....**95c**

Porcelain Socket with Pendent Cap

Made to be used on drop cords n damp places or basements. Weight, 6 ounces.

4-B-4052. Each.....**36c**

4-B-4053. As above, but keyless. Each.....**32c**



Current Tap

A handy device made to accommodate light bulb and supply a connection for electric household device. Porcelain body and cap. Screws into any ordinary light socket. Either connection can be used alone or both can be used at same time.

4-C-4054. Price, each.....**45c**

Priced Very Low for Big Economy

Twin Light Plug 75c

4-B-4055. Made in one piece of special material which is not affected by moisture or heat and will not break if accidentally dropped. A small compact neat plug made to fit all Edison base sockets or receptacles. Price, each.... **75c**

Plug Caps 13c

4-B-4056. Made of hard insulated composition with knife braided contact points to fit all standard receptacles and plugs. 10 amperes, 250 volts. Wires easily attached. Hole large enough to take in average electric fixture wire.
Price, each..... **13c**

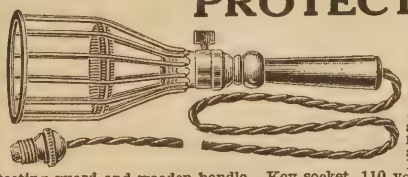
Separable Attachment Plug

4-B-4057. Made with hard composition insulated cap and fitted with base knife braided contacts. Edison screw base. Will fit any standard receptacle and plug. Will carry 660 Watts and 250 volts.
Price, each..... **15c**

Insulating Tape and Splicing Compound

Used on all electric jobs for covering wires where installation has been removed, for wrapping splices. All soldered ends should be wrapped with a rubber tape and covered with connector tape.
4-B-4058. Black fixture tape, ¾ inch wide. ½ lb. package **30c**
4-B-4059. Rubber Splicing tape, ¾ inch wide. ½ lb. package.. **35c**

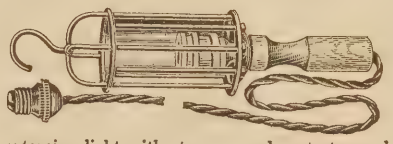
PROTECTED EXTENSION LIGHTS



$2.30

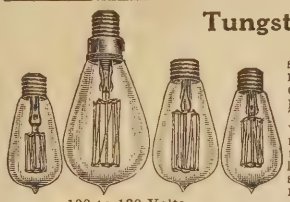
4-B-4060. A carefully assembled extension light for use about the home and other buildings. Made with strong, protecting guard and wooden handle. Key socket, 110 volt, 16 candle power cord lamp. 25 feet of extension cable and plug for attaching to any standard screw socket. Lamp not included. Weight, 2 lbs.
Each..... **$2.30**

$3.35



4-B-4061. Improved extension light with strong guard protector and reflecting shade to centralize the light where you want it. Made with 20 feet of cable. Lamp not included.
Weight, 6 lbs. Each..... **$3.35**

Tungsten Lamps



These lamps consume one third the current used by ordinary carbon lamps of equal power. On account of Tungsten Metal being very easily broken by rough handling, we cannot guarantee safe delivery or replace Tungsten lamps shipped by mail.

100 to 130 Volts.

Clear Glass Tungsten Lamps

4-B-8005. 60-Watt Each..... **35c**
4-B-8006. 100-Watt. Each..... **90c**
4-B-8003. 40-Watt Each..... **30c**
4-B-8004. 25-Watt Each..... **30c**

High or Low Electric Light Regulator

20 Light Changes—Dim to Bright

This perfected electric light regulator works equally well upon either direct or alternating current. It gives you exactly the strength of light you wish at all times—twenty changes of light—dim or bright—easily regulated by pulling either the dark or light chain. Made with a highly finished brass shell with socket construction to attach to a shade holder.

Just the thing for hospitals, sick rooms, nurseries, bathrooms, hallways, bedrooms or where a low light is necessary.

Any ordinary electric globe can be used provided it is not more than 40 watts capacity. Furnished for 110, 30 or 32 volt. Specify voltage when ordering.

4-B-8904. Electric light regulator, complete without electric lamp. Each..... **$1.10**

You simply pull the light or dark chain to subdue or brighten the light

Skeleton Bells

Used for fire and burglar alarms, or for other purposes that require a strong, loud ringing bell, such as mills, shops, and factories. The contact points are platinum, thus insuring a uniform penetrating sound.

4-B-10503. 4-in. Gong. Each..... **$4.95**
4-B-10505. 5-in. Gong. Each..... **$5.85**
4-B-10507. 6-in. Gong. Each..... **$6.65**
4-B-10509. 8-in. Gong. Each..... **$10.75**
4-B-10511. 10-in. Gong. Each..... **$15.95**

Iron Box Bells

Used for door and call bells. Box is made of stamped sheet steel, nickel plated cast gong. German silver contacts. Can be operated and rings clearly with one cell of battery at a distance of 150 feet.

4-B-10501. 3-in. iron box bell..... **65c**
4-inch iron box bell. Used where a louder tone is required..... **75c**

Iron Box Buzzer

Used in place of bells for call purposes. Makes a loud buzzing sound.

We advise the use of a buzzer for the back door, as it is easy to distinguish the sound of buzzer from the bell which can be used for front door.

4-B-10513. Iron box buzzer. Japanned finish..... **70c**

Bell Transformer

4-B-20055. This transformer connects to house-lighting circuit. Reduces current, low voltage, for operating door bells, buzzers, annunciators, etc., doing away with dry cells.

Stock transformers will operate on 100 to 130 volts, 60 to 133 cycle.

"Junior" Bell Ringer, 2⅝x2x6 inches, weight, 2½ pounds..... **$1.25**

Columbia Dry Batteries

Designed especially for ignition work. Low internal resistance intended for the severest work under which an open circuit dry battery will qualify. Suitable for automobiles, motor boats, gasoline engines, small incandescent lights, small motors. Will test from 25 to 30 amperes. Weight, 2 lbs.

4-B-10521. Size, 2½x6 inches. Each. **50c**

Push Buttons

Wood

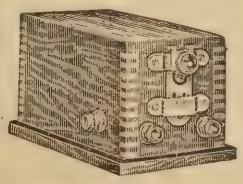
4-B-10527. Wood push buttons. Oak, ash, cherry or walnut. German silver springs, porcelain button **14c**

Metal

4-B-10529. Solid cap stamped brass buttons..... **15c**

Jump Spark Coils

FOR STATIONARY AND MARINE ENGINES



4-B-20050. Designed to answer the most rigid requirements of marine and stationary gas engines, regardless of horse power.

A hot, flaming arc is produced under compression with minimum current consumption, increasing the life of the batteries.

Coils are equipped with a vibrator. It is impossible to adjust the vibrator to consume an excessive amount of current. Arcing at contact points is practically eliminated. Large points are used, made of the very best grade of tungsten.

Assembled in a dovetailed, highly polished seasoned oak case.

Single cylinder..... **$2.80** Double Cylinder..... **$5.25**

Make and Break Spark Coils

Moisture Proof

For stationary and Marine make and break engines.

4-B-20051. Coils are assembled in a substantial black enameled steel case, 2¼ inches square by 6 inches high, occupying the same space in the battery box as an ordinary dry cell. They are very economical on battery power and generate at all times a hot, intense spark.

These coils are immersed in a special insulating compound, rendering them absolutely impervious to moisture.

Any of our coils can be furnished with a single or double throw switch. A combined coil and switch is a very late improvement in Ignition Equipment. It simplifies the wiring circuit and eliminates the expense of one primary wire, battery switch and the mounting of same on the battery box.

No. 10. Make and break Coil without switch..... **$0.95**
No. 10. Make and break Coil with single throw switch..... **1.10**
No. 10. Make and break Coil with double throw switch..... **1.20**

HARRIS House Paint

$1.85 Per Gallon

Guarantee
House Paint

We Guarantee every gallon of "Harris" house paint to be equal in every respect to the highest priced paints on the market. We guarantee that it will come up to your highest expectations in spreading and wearing qualities, appearance and fastness of color. The purpose of this guarantee is to give you an assurance of satisfaction, and if you are not pleased in every way, or if for any reason you are not satisfied with your purchase of "Harris" house paint, we will replace every gallon you have purchased free of charge.
HARRIS BROTHERS CO.

THE QUALITY of the paint you use should be more carefully considered than probably any other material you buy. The purchase of good paint—the kind that is made from a scientific formula of finest ingredients, is real genuine economy. "Harris" house paint is good paint. Pure linseed oil, lead and zinc are used as the main body.

32 Non-fading Colors to Choose from

White	Venetian	Blue
Olive	Fawn	Light Grey
Orange	Maroon	Oak
Drab	Pea Green	Peacock Blue
	Azure Blue	Tan
	Ivory Yellow	Russet
	Lilac	Light Yellow
	Canary	Pink
	Blue Green	Slate
	Cream	Terra Cotta
Chocolate	Brown	Grey
Dark Grey	Straw	Buff
	Bronze	Black

You Can Pay More But You Won't Get Better Paint!

Order No. 9-B-700

1 quart cans. Each.....$0.65
1 gallon cans. Each..... 1.95
5 gallon kit. Per gallon.....$1.93
25 gallon (½ bbl.), Per gal..... 1.90
50 gallon bbls. Per gallon.....$1.85

5 Gallon Kit of Harris House Paint and One High Grade 4-inch Brush (Set in Rubber) $10.35

The brush furnished is of excellent quality, 4 inches wide with pure black bristles, 3⅜ inches long, set in vulcanized rubber. Regular $1.75 value.

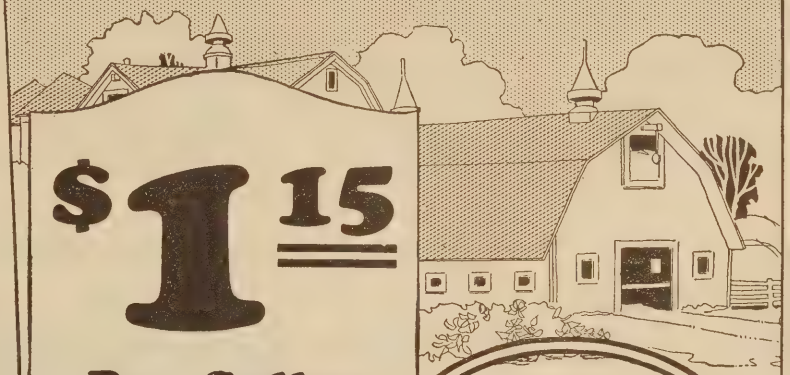
No. **9-B-701**—5 Gallon Kit of Harris House Paint and one High Grade 4-inch Brush.....$10.35

HARRIS Barn Paint

Guarantee Barn Paint

We Guarantee every gallon of "Harris" barn paint to be equal in every respect to the highest price barn paints on the market. We guarantee that it will come up to your highest expectations in spreading and wearing qualities, appearance and fastness of color. The purpose of this guarantee is to give you an assurance of satisfaction, and if you are not pleased in every way, or if for any reason you are not satisfied with your purchase of "Harris" Barn paint, we will replace every gallon you have purchased free of charge.

HARRIS BROTHERS CO.



$1.15 Per Gallon

HARRIS BARN PAINT is made of the same splendid process as Harris House Paint. Only the best ingredients are used in its formula. As a covering for your barns and for other similar outside work, it has no superior. Those who have used Harris paint before know that it can be depended upon to complete a job that will wear perfectly under most severe conditions.

6 Popular Colors to Choose from

REGULAR COLORS			SPECIAL COLORS		
Red	Yellow	Maroon	*Green*	Slate	*Lead

* The colors indicated as "special colors" above require more expensive color ingredients than the regular colors, and consequently we are forced to advance these prices slightly. Inferior substitutes could be used which would sacrifice quality. We must naturally supply best paint to you under our binding guarantee.

FOR REGULAR COLORS
Order No. 9-B-702

1 gal. can. Each	$1.25
5 gal. kits. Per gal	1.23
25 gal. (½ bbls.). Per gal	1.20
50 gal. bbls. Per gal	1.15

FOR SPECIAL COLORS
Order No. 9-B-703

1 gal. can. Per gal	$1.50
5 gal. kits. Per gal	1.48
25 gal. (½ bbls.). Per gal	1.45
50 gal. bbls. Per gal	1.40

Contains All Desired Qualities—Endurance, Appearance, Protection

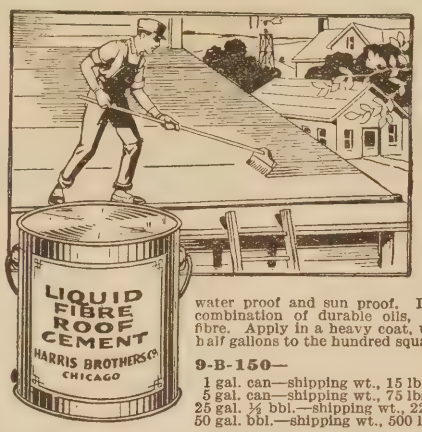
$6.85 Buys A 5-Gallon Kit of Harris Barn Paint and A High Grade 4-inch Brush (Set in Rubber)

The high grade 4-inch Brush set in vulcanized rubber, 4 inches wide, with pure black bristles 3⅜ inches long, regular $1.75 kind.

No. 9-B-704—5 Gallon Kit of Harris Barn Paint and a High Grade 4-inch Brush $6.85

If any of the special colors are wanted, add $1.25.

Some Special Savings in Painter's Needs



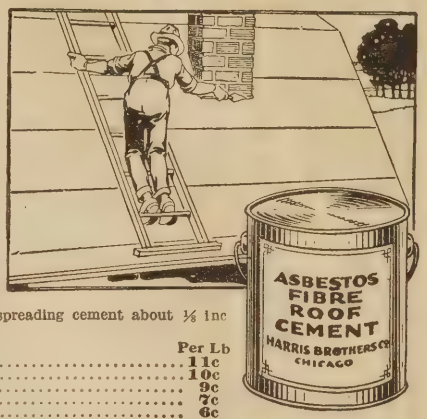
45c Per Gallon

A new method of preserving the life of metal, paper and composition roofing. A liquid compound that will quickly and permanently seal all leaks, cracks and holes in any kind of a roof, making a perfectly water tight covering. This covering will add years of service to your roof. It seals all small holes, caused by rust and deterioration. Absolutely water proof and sun proof. It is a heavy rubber-like combination of durable oils, reinforced with asbestos fibre. Apply in a heavy coat, using about one and one-half gallons to the hundred square feet.

9-B-150—	Per Gal.
1 gal. can—shipping wt., 15 lbs.	75c
5 gal. can—shipping wt., 75 lbs.	60c
25 gal. ½ bbl.—shipping wt., 225 lbs.	50c
50 gal. bbl.—shipping wt., 500 lbs.	45c

4½c Per Pound

Makes a one piece, no seam roof. Guaranteed to stop roof leaks no matter how old the roof. One application of asbestos fibre roof cement will give years of additional service. It stops leaks in tin, wood, felt or paper roofs. Permanently seals leaks in basement walls, leaky gutters and spouting. Apply with a trowel, spreading cement about ⅛ inc thick.



9-B-151—	Per Lb
5 lb. can	11c
10 lb. can	10c
25 lb. pail	9c
100 lb. keg	7c
300 lb. half barrel	6c
550 lb. barrel	4½c

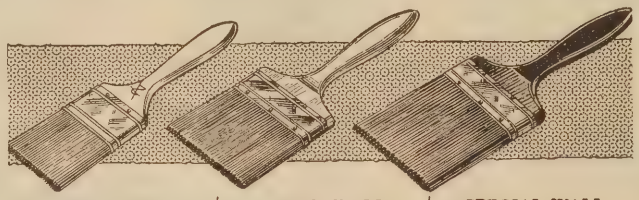
Harris Auto Enamel

$1.35 Per Quart

Harris Auto Enamel is particularly made for refinishing automobiles. It is simple to use, and requires no expert knowledge. Applied with a fine brush. You can obtain a smooth surface. No brush marks will show. Complete directions sent with each can. Dries quickly. Supplied in ten colors: Black, brewster green, deep cream, dark blue, battleship grey, medium green, yellow, tan, red and white.

9-B-585—	
1 quart can	$1.35
1 pint can	.72
½ pint can	.43

—Bargains in Good Brushes—



RUBBERSET HOME BRUSH

For varnishing, enameling, staining, or painting. A most durable brush. Selected Chinese bristles, solidly imbedded in hard vulcanized rubber.

9-B-1301. 2 inches wide..... 40c

4 INCH WALL BRUSH

This brush is specially manufactured for us from pure black bristles, 3⅜ inches long, vulcanized in rubber. A high grade brush that is guaranteed to give satisfactory service.

9-B-58..... $1.25

SPECIAL WALL BRUSH

Made of all pure black Chinese bristles, 4 ins. long, 4 ins. wide, vulcanized in rubber. Suitable for painters or others who use a brush continuously. Packed in individual boxes.

9-B-1339... $1.75

Flat Wall Paint

60c Per Quart

For interior walls. A high grade oil paint which dries to a soft flat tone, possessing an elastic finish. A sanitary paint, which will not rub off; may be washed with soap and water. Will not spot, turn color or fade. It is prepared, ready for use. Eleven colors: White, tan, light yellow, pea green, gray, yellow, pink, azure blue, deep cream, maroon.

9-B-905—	
5 gallon cans, Per gal.	$1.90
1 gallon cans, Per gal.	1.95
1 quart can, Per can	.60

Harris High Gloss Enamel

For fine interior enamel work. These enamels are especially prepared to meet "easy to apply" requirements of the novice or housewife. Particularly adapted for walls and ceilings in bed rooms, bath rooms, and kitchens. Made in twelve beautiful shades: White, pale blue, deep cream, vermillion, sea green, rose pink, orange, royal blue, silver gray, green, carmine and black.

9-B-921—	
1 gallon cans	$3.00
1 quart cans	.80
½ pint can	.25

White Washing and Painting Machine

SPECIAL SALE PRICE **$17.50**

The most practical and economical machine manufactured for whitewashing and painting. Can be used with either whitewash or cold water paints, or for spraying trees, 25 ft. high or more. Body is made of 24 gauge galvanized steel, fitted with brass cylinder valve pump, which produces a high pressure. Every machine is equipped with an agitator which works at every stroke of the pump, and keeps the solution thoroughly mixed. Every machine is equipped with solution strainer, and is guaranteed to give entire satisfaction. Ten-gallon capacity, complete with 10 ft. of ½-inch high grade hose, 1 nozzle and 8 foot extension rod.

9-B-321..... $17.50

High Grade Varnishes

EXTRA COACH VARNISH

Suitable for the best interior work. Varnish of medium color and good body. The most durable varnish for this grade of work. Can be rubbed or left in the gloss. Dries dust free in three to four hours.

9-B-1007—	
1 pint cans	$ .40
1 quart cans	.65
1 gallon cans	2.00
5 gallon cans	9.00

WEARING FLOOR VARNISH

The highest grade floor varnish. Suitable for use on natural wood or painted floors. An elastic varnish that will not scratch, turn white or show heel marks. A most economical and durable floor varnish.

9-B-1013—	
1 pint cans	$ .45
1 quart cans	.70
1 gallon cans	2.25
5 gallon cans	10.50

FURNITURE VARNISH

A good varnish at an unusually low price. Has a fine gloss and will rub nicely. Light in color and dries dust free in eight hours. Get the benefit of these big sale savings.

9-B-1001—	
1 pint cans	$ .40
1 quart cans	.65
1 gallon cans	2.10
5 gallon cans	9.50

Carefully Chosen for this Book!

80c Black Per Gallon

An ideal roofing coating for wood, metal or composition roofs. Tough and elastic. The colors produce a beautiful effect, harmonizing with the colors used in your house paint. Made of the best grade Trinidad asphalt especially treated and combined with pure boiled linseed oil. When dry it forms a tough elastic surface. Is not affected by expansion or contraction, acids, gases, or alkali. One gallon will cover two hundred and fifty feet smooth surface. Supplied in four colors, maroon, green, brown and black.

9-B-913—	Per Gallon Black	Colors
1 gallon can	$0.90	$1.28
5 gallon can	.88	1.25
25 gallon half barrels	.85	1.20
50 gallon barrels	.80	1.12

$1.20 Per Gallon

The best wood preservative known. Harris Creosote Shingle Stain is scientifically prepared. The colors are extremely durable and attractive, and are guaranteed not to fade. This shingle stain is a particularly high grade material, which we guarantee to satisfy you entirely. Can be applied with a brush after shingles are laid, or shingles can be dipped before laying. When applied with a brush one gallon will cover about 150 square feet of surface one coat. For dipping it requires 2½ to 3 gallons per thousand shingles. Supplied in six colors, brown, medium green, moss green, weathered oak, venetian red, and light green.

9-B-901.	1 gallon cans, per gallon	$1.30
9-B-902.	5 gallon cans, per gallon	1.27
9-B-903.	25 gallon half barrels, per gallon	1.23
9-B-904.	50 gallon half barrels, per gallon	1.20

White Lead

Our white lead is non-poisonous, is carefully ground and scientifically mixed. Ground in pure oil. Our "Inlaid Pure" lead is recommended and will give extra good service. Our "Premier" lead is of guaranteed quality.

9-B-1106.
"Premier" White Lead

100	lb. kits, per lb.	11c
50	lb. kits, per lb.	11¼c
25	lb. kits, per lb.	11½c
12½	lb. kits, per lb.	12c

9-B-1107.
"Inland Pure"

100	lb. kits, per lb.	16c
50	lb. kits, per lb.	16½c
25	lb. kits, per lb.	17c
12½	lb. kits, per lb.	18c

Lubricating Oils and Greases

No. 9-B-601. High grade Tractor Engine Oil tested and approved by leading Tractor manufacturers and highly recommended as a splendid lubricant.

Per gallon	$1.00
5 gallon cans, per gallon	.95
25 gallon barrels, per gallon	.85
50 gallon barrels, per gallon	.75

Separator Oil Recommended for Cream Separators.

A light colored oil, recommended for hand and power machines.

9-B-10819—	Per Gal.
1 gal. can	$1.25
5 gal. cans	1.20
25 gal. half bbls.	1.10
50 gal. bbls.	1.00

Red Engine Oil

Highest grade lubricating oil. 500 fire test. 200 viscosity test.

9-B-10815—	Gal.
1 gal. cans	85c
5 gal. cans	80c
25 gal. bbl.	65c
50 gal. bbl.	60c

Axle Grease

Highest quality refined grease. Lessens friction and lightens draft. Guaranteed to give satisfaction.

9-B-10847—	
10 lb. pail	$1.05
15 lb. pail	1.40
25 lb. pail	2.15

Cup Grease

High grade transmission grease. Will not gum or harden. Prevents rust and reduces friction. A superior lubrication for general transmission.

9-B-10843—	
5 lb. pails	$0.90
10 lb. pails	1.70

Wall Paper Cleaner

For calcimine, wall paper, window shades, and all interior decoration. Absorbs all smoke, dust and dirt. Will not stain or fade.

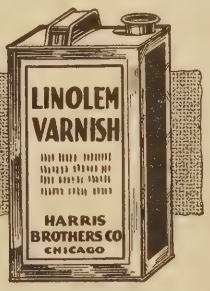
9-B-10855. Price per can **9c**

Paint Cleaner

1-lb. Package **9c**

An ideal preparation for washing paint, walls, woodwork or any surfaces that can not be cleansed with soap and water. Guaranteed not to damage the furniture or woodwork. Put up in 1 lb. packages. Price, each **9c**

Priced for Real Economy



INTERIOR SPAR VARNISH

Adapted for interior finishes for highest grade work. Light in color. Made from pure hard gum. Can be left in the gloss or rubbed. Dries hard for rubbing in 48 hours.

9-B-1017—	
1 pint can	$ 0.50
1 quart can	.85
1 gallon can	2.75
5 gallon can	13.00

OUTSIDE SPAR VARNISH

Recommended for finishing woodwork in bath rooms, or any woodwork that may have hard usage, or come in contact with water.

9-B-1019—	
1 pint can	$ 0.55
1 quart can	.90
1 gallon can	3.00
5 gallon can	14.00

LINOLEUM VARNISH

Applied over linoleum it gives a hard, smooth, elastic finish that will bend with the linoleum. Will not crack. Not affected by hot or cold water. Dries to walk on over night.

9-B-933—	
1 pint can	$ 0.45
1 quart can	.70
1 gallon can	2.25
5 gallon can	10.50

Harris High Gloss Lacquer

Recommended for finishing furniture and woodwork. This lacquer is especially prepared, so that highest results can be obtained by an inexperienced person Fourteen shades, light oak, cherry, gloss white, flat black, rosewood, walnut, dark oak, moss green, gloss black, mahogany, royal red, clear, flat white, and ground color

9-B-1101—	
1 gallon cans	$2.10
1 quart cans	.65
½ pint cans	.23

Varnish Stain

Recommended for use over a surface already varnished or painted, such as old furniture, varnished or painted woodwork. Harris Varnish Stain dries hard with a high luster and is easily applied with a varnish brush. It is made in the following colors: Cherry, Mahogany, Rosewood, Dark Oak, Light Oak, Walnut, Antique Oak.

9-B-171. Per half pint can. **20c**

Per 1-pint can	$0.30
Per 1-quart can	.52
Per ½-gal. can	.96
Per gal. can	1.75

OIL Stain

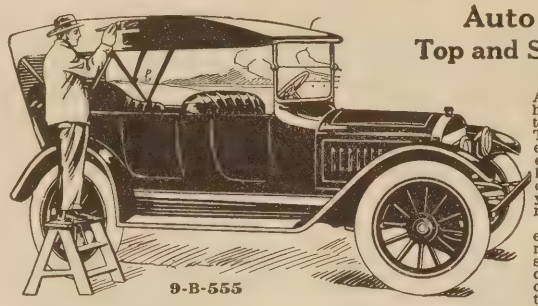
A Perfect Imitation of Natural Wood. Used for staining interior woodwork and other work not finished. Dries with a flat finish. One or two coats of varnish will produce a fine glossy surface. It is easily applied with a varnish brush. Made in the following shades: Cherry, Dark Oak, Mahogany, Light Oak, Rosewood, Walnut, Antique Oak.

Prices on above shades:

9-B-173. Per half pint can. **20c**

Per 1-pint can	$0.30
Per 1-quart can	.52
Per ½-gal. can	.96
Per gal. can	1.75

Ladders and Paint Accessories!



9-B-555

Auto Enamel
Top and Seat Dressing

Harris Auto Enamel and Auto Top and Seat Dressing have been prepared to renew the appearance of your car. They can be quickly and easily applied, requiring no expert knowledge. With a little of your time and the use of these excellent varnishes, you can make your automobile look like new.

Top and Seat Dressing especially prepared for leather, rubber or mohair tops, and seats and curtains. Fills cracks, covers stains, restores original finish and preserves the life of the fabric.

1 pint cans (sufficient for Ford car).....$0.60
½ pint cans..... .30
1 gallon cans.....$2.00
1 quart cans (sufficient for touring car).. .80

Colors in Oil

9-B-817. The strongest, most durable unfading colors obtainable. For use in tinting or may be used as it is furnished with the addition of proper thinners. Put up in 1 and 5 lb. cans.

Colors:	1 lb. cans
Drop Black	$0.30
Ivory Black	.30
Coach Black	.30
Lamp Black	.45
Prussian Blue	1.25
Ultramarine Blue	.45
Cobalt Blue	.68
Raw Umber	.27
Burnt Umber	.27
Raw Sienna	.27
Burnt Sienna	.27
Vandyke Brown	.54
Chrome Green	.35
Blind Green	.35
Scarlet Vermilion	.90
Tuscan Red	.60
English Venetian Red	.20
Chrome Yellow (Light)	.36
Chrome Yellow (Medium)	.36
Chrome Yellow (Orange)	.36
Yellow Ochre	.20
English Rose Pink	.60
English Rose Lake	.60
Light Oak Graining	.30
Dark Oak Graining	.30
Antique Oak Graining	.30
Walnut Graining	.30
Cherry Graining	.30
Mahogany Graining	.30

Wood Filler

9-B-1049.

For filling or first coating any kind of close grained wood.

Thoroughly seals up wood pores, and prevents absorption of moisture. This wood filler is transparent, does not need to be rubbed. Recommended for wood work where one or two coats of varnish are to be applied.

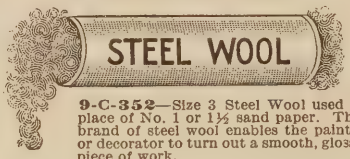
1 qt. cans, each.....$0.60
1 gal. cans, per gal..... 1.80

Pure Putty

Specially adapted for Painters' and Furniture Manufacturers' use. Guaranteed strictly pure. Will not crumble or crack.

9-B-1107.

Price, 20 lb. cans.....$1.00
Price, 10 lb. cans..... .55
Price, 4 lb. cans..... .42
Price, 1 lb. can..... .12



9-C-352—Size 3 Steel Wool used in place of No. 1 or 1½ sand paper. This brand of steel wool enables the painter or decorator to turn out a smooth, glossy piece of work.

Price
Per 1 lb. package.....40c

9-B-353—Steel Wool for household use. The most efficient and economical time saver of all household cleansers. Packed in convenient cartons containing 2 oz. No. 0—Very fine, recommended for aluminum ware. Price per package.....9c

No. 3. Recommended for pots and pans and floors
Price per package.....9c

Flake Glue

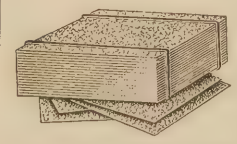
9-C-231. First Grade Flake Glue. Can be used on both soft and hard woods or for making printers' rollers, emery wheels, white mouldings or any other purpose where great strength and flexibility are required.

Price, per pound.....30c
Price, 100 pound drums, per pound.....28c
Price, 200-pound drums, per pound.....26c

9-C-333. XX Flake Carpenters' Glue. Specially adapted for cabinet makers, carpenters, chipping glass and general repairing.
Price, per pound.....24c
Price, 100-pound drums, per pound.....22c
Price, 200-pound drums, per pound.....20c

9-C-335. XXX Kalsomine Glue. A thin cut pure sizing glue, used largely by kalsominers, also by cabinet makers for high-grade joining.
Price, per pound.....18c
Price, 100-pound drums, per pound.....16c

Sand Paper



9-B-349. Best quality sand paper. The sand is sharp flint and applied to paper by special process.

The No. 00 is the finest and No. 3 is the coarsest. Put up 24 sheets to the quire, one number only. Assorted quires take the sheet price.

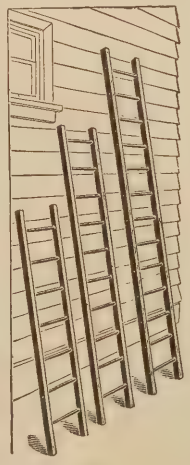
Numbers	00	0	½	1	1½	2	3
Price, 24 sheets	30c	31c	32c	35c	40c	46c	58c
6 sheets for	10c	10c	10c	10c	12c	13c	15c

XXX QUALITY EMERY CLOTH

9-B-351. Made on heavy twilled cloth back and covered with the best quality emery.

Numbers	00	0	½	1	1½	2
24 sheets	$1.60	$1.62	$1.65	$1.67	$1.80	$2.00
3 sheets	.45	.45	.45	.45	.50	.55

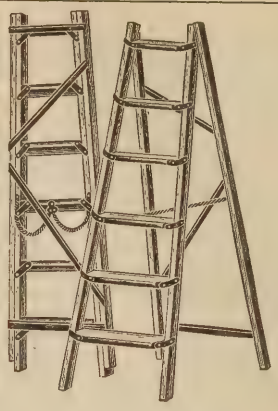
Farm or Long Ladders



9-C-1223. Sides are made of clear pine. Hickory rungs fastened in the same manner as our extension ladders. A strong, rigid ladder, suitable for all general purposes.

Length	Price
10 feet	$2.40
12 feet	2.90
14 feet	3.35
16 feet	3.85
18 feet	4.60
20 feet	5.10.

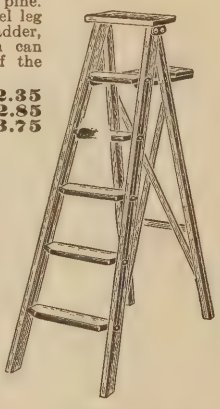
Trestles and Step Ladders



9-B-1229. Made of clear pine strongly constructed and well braced. Arranged so that plank may be put on either step. Steps are iron braced in front and back.

Height	Price
5 feet	$3.00
6 feet	3.60
8 feet	4.80
10 feet	6.00

Superior Step Ladders



9-B-1241. Made of clear pine. Rods under every step. Steel leg spreaders. A strong, safe ladder, fitted with pail shelf, which can be readily folded up out of the way when not in use.

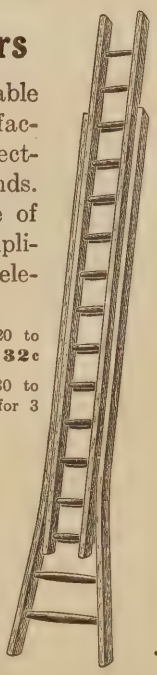
Height, 5 feet. Price, each.$2.35
Height, 6 feet. Price, each. 2.85
Height, 8 feet. Price, each. 3.75

Automatic Self-Locking Ladder

These ladders are made from selected clear pine, fitted with pail shelf, hinges made of galvanized sheet steel, securely fastened to the flanges. This is a durable ladder, quoted at a low price.

9-B-1244. 4 feet, 20 pounds.....$1.40
9-B-1245. 5 feet, 22 pounds.....$1.75
9-B-1246. 6 feet, 26 pounds.....$2.10
9-B-1247. 8 feet, 30 pounds.....$2.75

Extension Ladders



Strongest and most durable extension ladders manufactured. Made of clear selected pine, and hickory rounds. The extension rollers are of an improved design, simplifying the lowering and elevating of the ladder.

9-C-1250. Two sections from 20 to 30 ft.—per foot.....32c

9-C-1251. Two sections from 30 to 40 ft.—per ft. 35c, $1.00 extra for 3 section ladder.

Rope Extension Ladders

9-B-1221. Top section raised and lowered by rope and pulley attachment. Fitted with improved automatic locking hooks, furnished only in two sections.
Lengths, 20 to 30 feet..... 42c
Price, 30 to 40 ft. Per Foot.....45c

Home Painting and Finishing Needs!

Bath Tub Enamel

Produces a hard, smooth, highly polished and non-absorbent surface. Effectually resists the action of hot and cold water, soaps and other preparations used in baths. With one pint you can do over and give it that new effect. Same remarkable results on sinks and wood and iron work about the house. No skill is required. Easily applied, will dry over night.

9-B-903. Half Pint.....**35c**

Pint.....**57c** Quart.....**$1.00**

Painter's Time Saver

With this little tool you can paint as fast as you like and need have no fear of spoiling the decorations. Made of light metal, highly polished. No danger of spoiling the wall paper, window panes or door glass, etc. Also used when washing woodwork. Shipping weight, 8 oz.

9-B-13001. Price Each.....**20c**

Alcohol Shellac

Made from the finest grades of Guaranteed Pure Gum Shellacs in Denatured Alcohol. Used as first coat on furniture and interior work, except floors on which varnish is to be applied. Dries hard in about 2 to 4 hours. Will cover from 300 to 400 square feet, one coat. Pure Orange Shellac will give the wood an Oak color. White shellac is used where no color is desired. Also recommend it for coating knots and sappy spots before painting.

9-C-1039. Pure Orange Shellac.

Pt. Cans	Qt cans	½ Gal. cans	1 Gal. cans
65c	$1.05	$1.95	$3.50

9-C-1041. Pure White Shellac.

Pt. cans	Qt. cans	½ Gal. cans	1 Gal. cans
75c	$1.20	$2.20	$4.00

Stove Pipe Enamel

9-B-935. For stove pipes, stoves, furnaces, grates, smokestacks, iron fences; gives an enamel finish. We have reduced to a liquid state a mineral of volcanic deposit of intense blackness. Withstands heat and retains its brilliant, black luster. It will not peel or burn off; the surface to be painted is cold. A pint is sufficient for six lengths; black only.

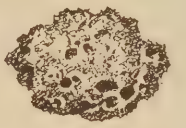
Price, ½ pint.....**15c**

Pint, 22c. Quart, 39c. Half Gallon, 75c

Makes screens look like new. Does not clog the mesh. Dries hard and quickly. Green or black.

9-B-931.

Gallons.....	**$1.50**
Quarts.....	**.45**
½ pint	**.20**



Large sponge, especially adapted for cleaning automobiles. A sponge that is guaranteed to give best service.

9-B-580.....**25c**

Paste Wood Filler

9-B-1051. Better than any other, as it completely fills the pores, making an impervious surface over which to varnish. Apply with a brush, and after allowing 20 to 30 minutes to set, wipe off smoothly with a rough piece of burlap, wiping across the grain. Ten pounds will fill about 450 square feet. Made in three shades, natural, light oak and dark oak.

1 lb. can.....**20c** 5 lb. can.....**90c**

Kalsomine 16 Colors

Can be applied by anyone. Shipped in powdered form, ready for use by mixing in hot water. Furnished in white, pea green, light green, lavender, blue, salmon pink, light pink, light tan, buff, gray, green, ivory and yellow. Put up in 4-lb. packages, enough for ordinary sized room.

9-B-315.
Price per package.....**45c**

FREE! Color Paint Chart

The most complete and attractive paint color folder ever produced. Mounted with chips showing the actual colors of Harris guaranteed paints, stains, lacquers, enamels and calcimine. Makes it easy for you to select the exact colors you wish. Ask for your copy now.

Premier T. Japan

9-B-1025. Is a very reliable heavy bodied oil drier. Will mix with any paint formula without any bad results. Is transparent and has a tendency to add durability to paint instead of burning up the durable qualities of the oil.

Pint	Quart	½ Gal.	1 Gal.	5 Gals.
40c	**50c**	**85c**	**$1.55**	**$7.50**

Interior Floor Paint

Per Gallon **$1.85**

Harris Durable Floor Paint. Specially prepared and guaranteed to resist wear, washing with hot water and scrubbing, retains its bright shiny surface. Paint dries overnight with a high gloss. Remains dust free and will be hard enough to walk on in twenty-four hours. Made in the following colors: Gray, russet, yellow, red, lead, green, tan and maroon. Specify color desired when ordering.

9-C-809. Harris Ready Mixed Floor Paint—

5 gallon cans, per gallon.....	**$1.85**
1 gallon cans, per gallon.....	**1.95**
1 quart cans.....	**.60**

Harris Porch Paint

Per Gallon **$3.35**

Harris Porch Floor Paint. Specially prepared for floor work of porches and stairways. Guaranteed to resist the effects of rain, sun or most severe weather. It is particularly made of highest grade ingredients, which give the greatest preserving and resisting qualities for outside wear. Dries overnight, and obtains a high luster. Made in the following colors: Grey, russet, yellow, lead, red, green, tan and maroon. When ordering specify color desired.

9-B-810. Harris Durable Porch Floor Paint—

5 gallon cans, per gallon.....	**$3.35**
1 gallon cans, per gallon.....	**3.40**
1 quart cans.....	**.90**

Cement Wall Coating

Strictly formulated after careful tests to meet the exact physical and chemical requirements of a masonry surface. Guaranteed the most efficient and damp-proofing treatment. It penetrates into the pores of the surface, and on hardening thoroughly seals them. Will not wash off. Stands the hardest usage. An ideal paint for hotels, hospitals, schools or wherever cement is used. Furnished in dark cement, moss green, tan, brown, copper color and slate.

9-B-1201. Cement Wall Coating—

50 gallon barrels, per gallon.....	**$2.35**
25 gallon half barrels, per gallon.....	**2.43**
5 gallon kits, per gallon.....	**2.47**
1 gallon cans, per gallon.....	**2.50**
1 quart cans, each.....	**.70**

Cement Floor Coating

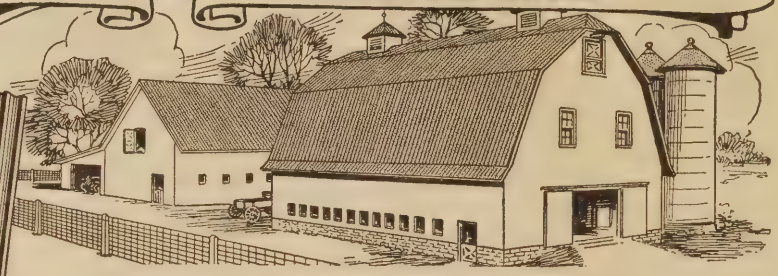
On ordinary floors it is almost impossible to make them look clean, but with our Harris Cement Floor Coating they not only make an attractive appearance, but are durable and it is almost impossible for any dust to lie on the surface. The concrete absorbs moisture so rapidly that it is impractical to clean them by ordinary methods.

Harris Cement Floor Coating makes the surface waterproof and at the same time so binding the particles that the dust making feature is eliminated. We can furnish same in the following colors: Cement, Pearl Gray, Slate, Terra Cotta.

Lot No. **9-B-1211.**	One quart cans.....	**$0.68**
Lot No. **9-B-1215.**	One gallon cans	**2.48**
Lot No. **9-B-1217.**	Five gallon kit, per gallon	**2.45**

PAINTED ROOFING

GALVANIZED ROOFING



Galvanized Corrugated Sheets Reclaimed and Refinished

We offer a limited quantity of heavy overhauled galvanized corrugated sheets for immediate acceptance. These sheets have been squarely trimmed, edges and ends, carefully selected, and painted red. They are in excellent condition, free from holes, sound and durable.

$3.25 Per Square

We recommend the lighter gauges for Siding and the heavier for roofing. Select your Galvanized sheets from the following:

7-C-28. 28 Gauge Overhauled Galvanized Sheets.
Price per square of 100 sq. ft. **$3.25**

7-C-26. 26 Gauge Overhauled Galvanized Sheets.
Price per square of 100 sq. ft. **$3.50**

7-C-24. 24 Gauge Overhauled Galvanized Sheets.
Price per square of 100 sq. ft. **$3.75**

7-C-22. 22 Gauge Overhauled Galvanized Sheets.
Price per square of 100 sq. ft. **$4.50**

Special Request

Give us the length of your rafters, the size of your roof or the height of your studding. This enables us to select from our varied stock of lengths from time to time, sheets that will work in without waste.

PAINTED CORRUGATED SHEETS
SURPLUS STOCK

22 Gauge Painted 2½" Corrugated Sheets. This stock was purchased as surplus stock and has been thoroly reconditioned. Note the heavy gauge. Sheets are painted RED and are all furnished in uniform width of 26 inches or wider and in lengths up to and including 7 foot.

7-C-22. 22 Gauge Painted Corrugated Surplus Sheets.
Price per square of 100 sq. ft. **$3.75**

SHINGLE-SIZE SHEETS

We have on hand about 3000 squares of sheets in 22 Gauge that are cut-downs of the 22 Gauge we offer in longer lengths above. These sheets are 18" wide by 20" long. Can be used for SHINGLES, for patching, for small roofs, for siding, etc. Sheets are 1¼" Corrugated.

7-C-23. 22 Gauge Shingle-Size Corrugated Sheets.
Price per square of 100 sq. ft. **$2.75**

OVERHAULED PAINTED CORRUGATED SHEETS

The sheets we list as follows have been overhauled, trimmed and painted. We recommend the lighter gauges for siding and the heavier for roofing or more permanent siding work. They will run in uniform widths of 24" or wider and in lengths up to and including 7 foot.

7-C-27. 28 Gauge Overhauled Corrugated Sheets. Good for SIDING ONLY. Price per square of 100 sq. ft. **$2.25**

7-C-29. 28 Gauge Overhauled Corrugated Sheets. This stock is more carefully selected. Price per square of 100 sq. ft. $2.75

7-C-30. 26 Gauge Overhauled Corrugated Sheets. Price per square of 100 sq. ft. 3.00

7-C-31. 24 Gauge Overhauled Corrugated Sheets—Heavy. Price per square of 100 sq. ft. 3.50

7-C-32. 22 Gauge Overhauled Extra Heavy Sheets. Price per square of 100 sq. ft. 3.75

$2.25 Per Square

Special Request

GIVE US THE LENGTH OF YOUR RAFTERS OR THE HEIGHT OF YOUR STUDDING.. We have a wide selection of lengths and are in a position with this information to ship sheets that will work without waste.

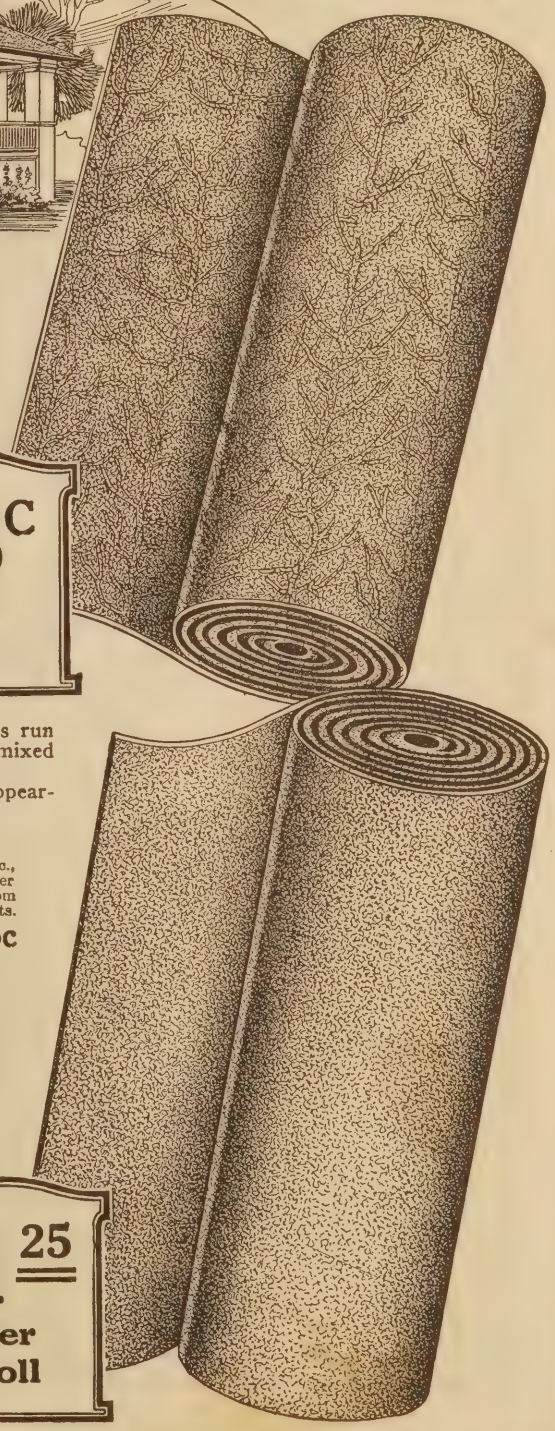
ROOFING ACCESSORIES

Nails, per square 8c
Lead washers, per square 7c
New ridge roll with corrugated apron, per foot 12c

All Prices are F. O. B. Cars, Chicago

AJAX ROOFING

RAWHIDE ROOFING



Wonderful Roofing Values!

We offer you in Ajax Smooth Surfaced roofing, A Real Roofing Value.

The price is not low because it is cheap competitive stock but on account of the rolls running in 2 to 3 lengths to a full roll of 108 sq. ft.

This stock is Mill Ends of High Grade material, not seconds, offered as follows complete with all necessary nails and cement for laying:

13-B-9010. Ajax Light Weight, per roll **$0.98**
13-B-9011. Ajax Medium Weight, per roll **1.22**
13-C-9012. Ajax Heavy Weight, per roll **1.40**

98c Per Roll

Repair Job Roofing!

Repair Job Roofing is offered in response to the demand from our customers for a roofing for repairing old roofs, covering small ones, lining or siding.

The material is classed by the manufacturer as seconds. Rolls run in miscellaneous weight, a great deal of it heavy and medium mixed in the rolls. Dandy material to have on hand.

Can be laid with the smooth or underside exposed, giving the appearance of a smooth surfaced roofing.

For roofing, complete with nails and cement.
13 B-9016. Repair Job roofing. Per Roll..... **90c**

For Siding, without nails or cement.
13-B-9017. Repair Job roofing. Per roll..... **75c**

Tar Paper

Good for basement lining, sheathing, etc., and especially recommended to lay under metal roofing to keep the moisture from accumulating on the underside of the sheets.
13-B-9018. Tar Paper. 108 square feet to roll..... **35c**

RAWHIDE ROOFING
"Tough as its Name"

No other name than "Raw-hide" in its full meaning could be found for this pliable, tough roofing—no need for any other description—the name tells the story.

We know the quality of every ounce of material entering into the manufacture of this roofing—we know every step in the method of its preparation for the market, to the extent that we guarantee to replace free of charge every roll defective in quality within the time of our guarantee.

Why not buy a roofing upon which the burden of its wear rests upon us? Every roll contains 108 square feet and is complete with cement and long or short nails.

13-C-9013. Raw-hide, light weight, 8 year guarantee. Price, per roll..... **$1.25**
13-C-9014. Raw-hide, medium weight, 10 year guarantee. Price, per roll..... **$1.45**
13-C-9015. Raw-hide, heavy weight, 12 year guarantee. Price, per roll..... **$1.65**

$1.25 Per Roll

Gold Medal Roofing

Guaranteed for 20 Years

We replace, free of charge, every roll of GOLD MEDAL ROOFING that proves defective in quality within the term of our Guarantee.

The best grade of felt, the highest quality of asphalt and the best method known of saturating are all combined in this product.

Our perfection in the weather-resisting surface, known to no other class of material, is due to years of experiments and enables us to place the above guarantee on this material.

It is fire and lightning resistant and will not ignite from flying brands or sparks.

Regulation 7/8" nails or long nails for over shingles, packed complete with cement enough to lay every roll.

13-C-9019. GOLD MEDAL ROOFING, 20 Year Guarantee, complete with nails and cement. Per roll..... **$2.35**

Superior Slate Coated Roofing

Standard weight, 85 to 90 pound red or gray-green slate coated roofing, complete with nails and cement. Specify the color you desire.

13-C-9020. Superior slate coated roofing. Per roll..... **$2.10**

Special-Selected Mill Ends

Under this heading we offer you brand new, 85 to 90 pound slate coated roofing put up in full rolls of 108 square feet, complete with nails and cement. All rolls running about two to three lengths to the roll—furnished in red or gray-green.

13-C-9021. Special selected Mill ends. Per roll..... **$1.75**

Slate Roofing Seconds "As Is"

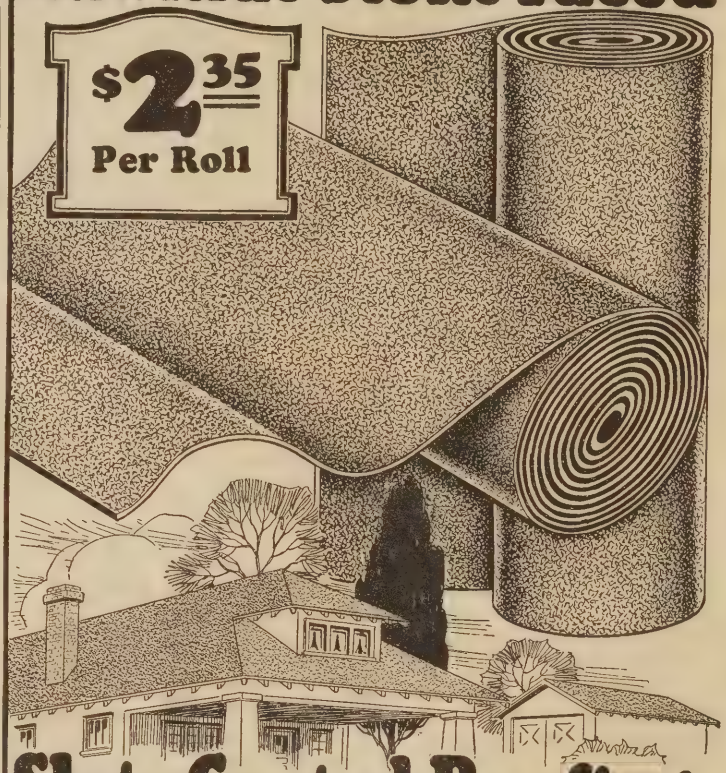
We buy from various manufacturers, slate coated seconds, more or less defective in surfacing. 85 to 90 pounds stock—could be used with the underside exposed and the slate side next to the roof or with a good coat of heavy paint will make a lasting roof covering.

13-C-9022. Slate seconds, unselected, full rolls complete with nails and cement. Per roll..... **$1.25**

All Prices Are F. O. B. Chicago

Rawhide Stone Faced

$2.35 Per Roll



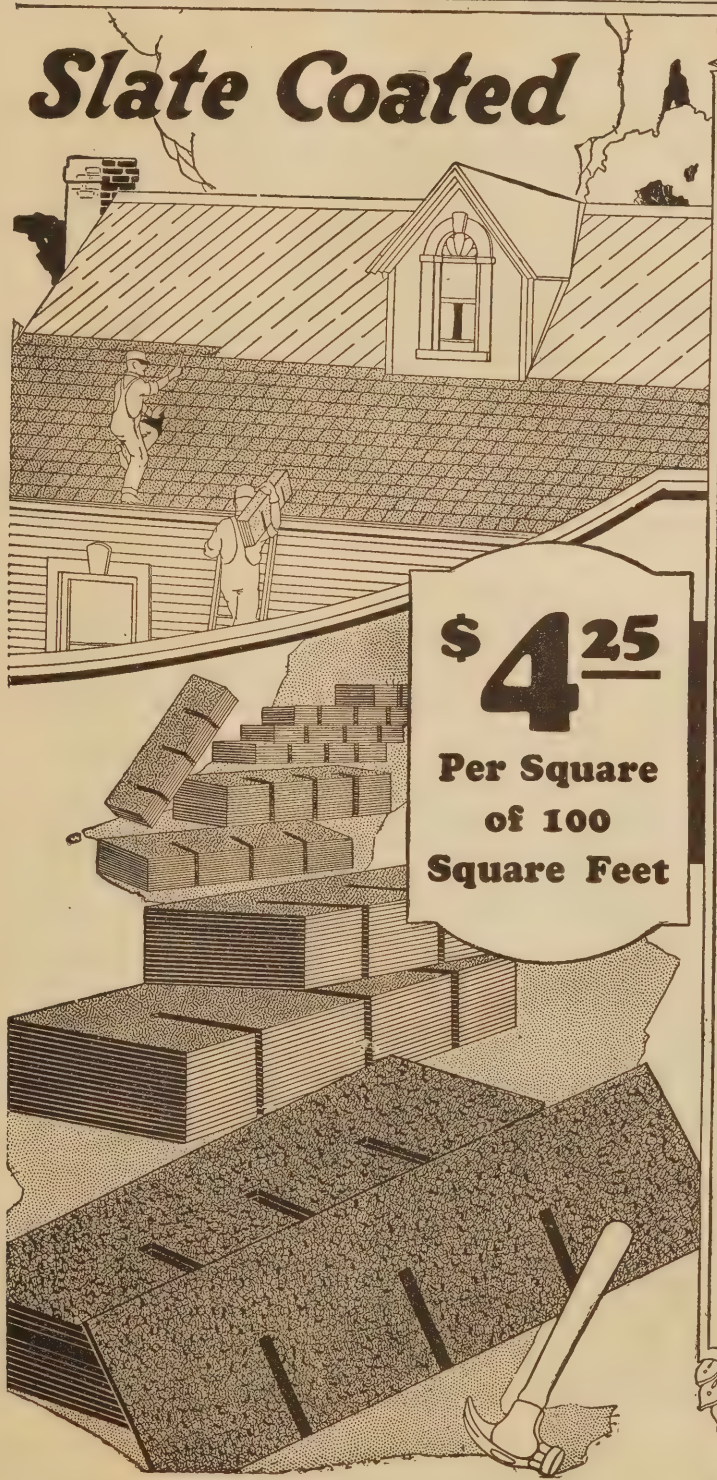
Slate Coated Roofing

Red or Gray

$1.25 Per Roll

Asphalt Shingles

Slate Coated



Select Your Shingles from Three Different Styles

The shingles we offer are standard weight, new stock surfaced with natural colored red or grey-green slate. Either style can be laid over sheeting boards, spaced for cedars or on close sheeting. Each square you order will cover 100 square feet of surface, when all lap has been made, quoted as follows:—

13-B-9030. Slab shingles, four in one, like illustration at the bottom of this page. Price, per square of 100 square feet.....**$5 00**

13-B-8030. Four in one slab shingles, with the corner of each shingle cut off, giving the entire roof an appearance of Hexagon shingles. This is one of the most artistic patterns of shingles on the market to-day and offered exclusively to the Mail Order Buyers by us. Guarantees two thicknesses all over your roof. Harris Double-tite Shingles. Price, per square.....**$4.75**

13-C-9031. Individual shingles. Same quality as all stock quoted above, running 8x12¾ inches in size, laid 4 inches to the weather. Furnished in red or grey-green. Price, per square.....**$4.50**

Shingle Seconds

We offer you the same styles in shingles described above, in red or grey-green coating. Standard weight, but sorted as seconds on account of defects in the surfacing of the shingles—usually can be laid to cover this defective part.

13-C-9032. Individual shingle seconds, red or green. Price, per square.....**$4.00**

13-B-9033. Four in one Slab shingle seconds, square butt. Red or grey-green. Price, per square.....**$4.25**

13-B-8034. Harris Double-tite Slate Shingle seconds. Red or green. Price, per square.....**$4 20**

NAILS

You will require 3 pounds of Flat Head Nails for each square of shingles quoted above. Price per pound.....**8c**

Roll Roofing—Stamped Like Shingles

A limited quantity of 85 to 90 pound roll roofing stamped to imitate shingles or representing Mosaic roofing with inlaid red and grey-green slate.

Each roll will cover 100 square feet and we will furnish long or short nails and cement.

13-B-9035. Roll roofing—Shingle Imitation—new stock. Price, per roll.....**$2 00**

GOLD MEDAL ROOFING

NOTE the special CUT PRICE on GOLD MEDAL ROOFING. Never before has this 20 YEAR quality and service guaranteed stock been offered at $2.35 per roll.

See opposite page for description and GUARANTEE.

All Prices Are f. o. b. Chicago

Harris Steel Buildings

Why You Should Buy a Steel Building!

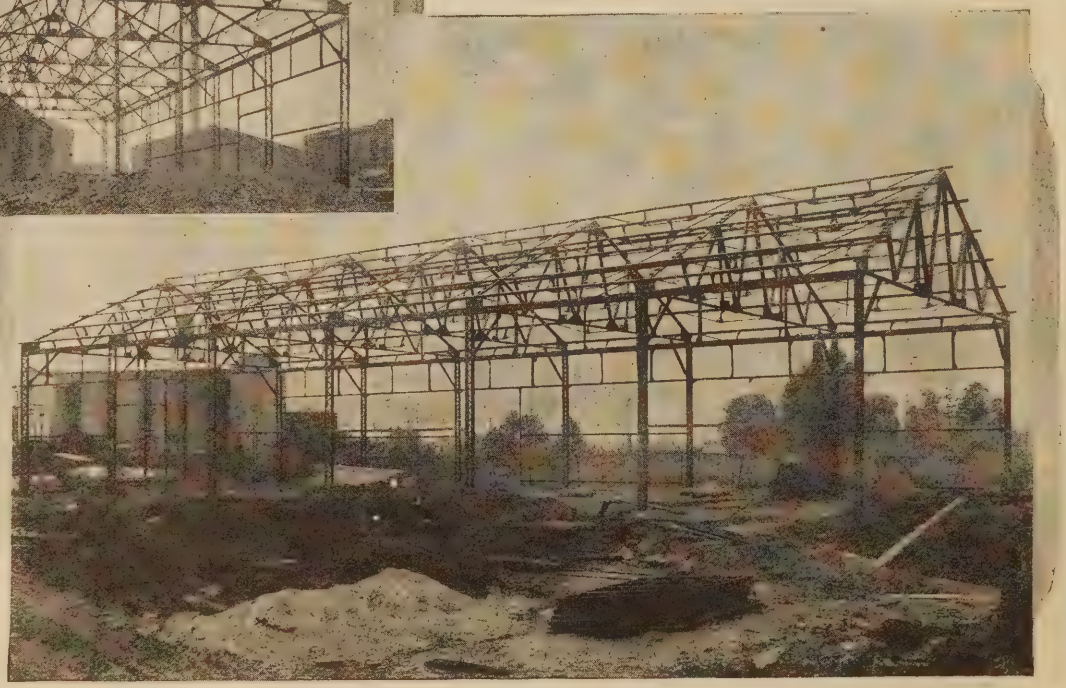
IRON AND STEEL ARE KNOWN AS the most suitable materials where strength and durability are required. It is for these reasons that these materials are so extensively used by the railroads, by bridge builders and by builders of large buildings. It is therefore little wonder that when other building materials became scarce, steel was chosen to take the place of other building materials in the construction of smaller buildings.

MANY ADVANTAGES ARE POSSESSED by steel over other building materials, principal among them being the facts that steel cannot burn and that it is durable and strong. Besides being fire-proof a building made of steel has been said by the great electrical genius Steinmetz to be one of the four places where a person is absolutely safe from lightning.

THE WEATHER, OF COURSE, ORDINARily affects iron and steel in much the same manner as it does wood. While wood rots from exposure unless painted, iron and steel are subject to corrosion known as rust. It is for that reason that the material is covered with a coating of zinc, and the result is known as Galvanized Iron or Steel. With this galvanized coating the life of the material is unlimited, it being absolutely impossible for the steel to corrode as long as the galvanizing remains on the metal. How well this galvanizing does adhere is best proven by the numerous utensils in the average home that give perfect satisfaction for many years. We all know the durability of galvanized wash tubs—if anything is subject to hard usage, these tubs are—its the galvanized coating that makes them last.

15 Years' Experience!

Fifteen years of experience in this work, during which time we have placed HARRIS Steel Buildings in every part of the Country, as well as in other parts of the world, have shown us the best way to make steel buildings, and how to make them so that the purchaser receives the greatest possible return for his investment.



Not only do we furnish fabricated structural steel of every kind, but an expert engineering service with blue prints and complete instructions for erection. Our wide experience over fifteen years and practical knowledge means lasting satisfaction and big economy to you.

and Their Advantages!

There's a Vast Difference in Steel Buildings!

There is just as much difference in steel buildings as there is in wood ones or buildings made of other materials. It is therefore very important that the prospective purchaser of a building consider very carefully when preparing to purchase a building.

HARRIS Garages are ATTRACTIVE in appearance and many of them are located in the most exclusive residential districts. They look well back of the mansion of the millionaire and fit the pocketbook of the most humble wage-earner. All that it requires to make a **HARRIS** as attractive as it is possible to make any garage is to give it a coat of paint just as one would paint a frame building. Beside adding to the attractiveness of the building, paint adds to the life of the building, as it gives the metal further protection against the weather. TREAT A STEEL BUILDING AS WELL AS YOU WOULD A FRAME BUILDING AND IT WILL LAST FOREVER.

Just a Few Reasons Why You Should Own HARRIS Portable Steel Building!

HARRIS Steel Buildings are built in a modern shop by expert workmen who have spent many years at this work, and who take pride in making **HARRIS** buildings "Quality" buildings. Automatic machinery is used wherever possible and costs are kept down to a minimum. They are sold at a reasonable profit above our cost which insures our future success and ability to render service to our customers.

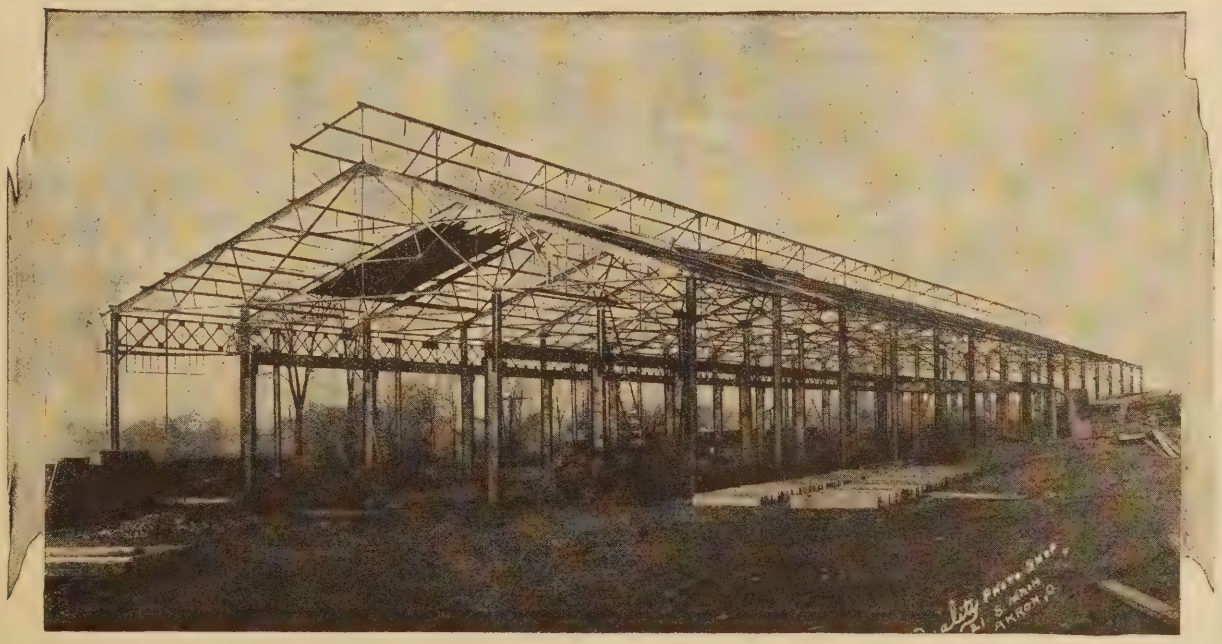
THE COST OF A HARRIS STEEL BUILDING IS FAR BELOW THAT OF OTHER CONSTRUCTION OF EQUAL QUALITY.

On a HARRIS Steel Building the upkeep costs almost nothing. There is no insurance, taxes are low, and a coat of paint every four or five years will keep the building in perpetual good condition.

A HARRIS Steel Building, because there is nothing to wear out on it and because it can so easily be taken down and re-erected, has the highest salvage value of any building. After it has served its purpose on one location for years it can be taken down and re-erected on any other location where it will again give equally as good service as when new.

Because of the way HARRIS Steel Buildings are constructed they are very simple and easy to erect. No mechanical knowledge or special tools are required to put up a **HARRIS.** When desired we will furnish **HARRIS** buildings f. o. b. our factory, the purchaser to do his own erecting, thereby saving the cost of putting up the building. In these cases all parts are carefully marked and fitted and complete specifications and blue prints accompany the building.

Enlarging a HARRIS Steel Building is a very simple and inexpensive matter. For this reason it is really the most portable section building on the market. Should it become necessary for any reason whatever to replace a wall section, add an extra window or an entrance door it is the work of but a few minutes to make the change.



No job too small or too large for our closest attention. Requests from our customers in every section of the country for steel constructed offices, tool shops, supply houses and large structures for factories and industrial plants all receive the same careful, painstaking attention.

SPECIFICATIONS AND GENERAL CONSTRUCTION

HARRIS STEEL GARAGES

HARRIS Steel Buildings really consist of two parts; one part being the steel skeleton framework, and the other part being the wall and roof sections which are securely fastened to the steel skeleton.

FRAMEWORK:

The Steel Skeleton consists of a lower angle which runs completely around the base of the building, and consists in the smaller buildings, of 1½"x1½"x⅛" angle iron. After this lower angle has been firmly anchored to the cedar posts other angles of the required length are placed in an upright position, one at each corner, and securely bolted to the bottom angle. On top of these corner angles another angle is laid parallel with the bottom angle, and this is also securely bolted to the corner angles.

SIDE WALLS:

To cover this framework we use 32" wall sections which consist of No. 26 gauge galvanized steel sheets riveted on each side to a 1"x1"x⅛" angle. These sections are bolted to the top and bottom angles of the skeleton structure, and where two sections adjoin they are bolted together through the angles thus giving a vertical support every 32 inches, forming a T stud. To add to the strength and stiffness of the walls and also to assist in making the building absolutely weather-tight, a galvanized angle weather strip is inserted in a slot provided on the outside of the building at each section joint.

TRUSSES:

One of the special features of HARRIS Garages is the special designed truss, made of structural steel and designed so as to carry the heaviest roof loads the building will ever be required to carry. These trusses are joined together with angle iron purlins, giving the most solid and rigid construction.

ROOF:

The Roof Sheets, 30" wide, are fastened to the top of the trusswork, these sheets being interlocked with a special lock seam which makes the joints absolutely water-tight. A galvanized steel ridge cap fits over the entire ridge. The roof has the proper pitch so that it drains very readily.

EQUIPMENT:

Each HARRIS Garage is provided with the following regular equipment:

1—set 8'x8' Drive Doors
1—18"x24" Pivot Window
1—set Angle Iron Bench Brackets
1—set Door Stops
Louvre Ventilators in the Gables

DOORS:

Except where garage stalls are 8' wide, each garage is provided with one set of 8'x8' Drive Doors. On an 8' wide garage somewhat narrower doors are necessary. These doors are of the swinging type, hung upon extra heavy long strap hinges. These hinges are provided with brass pins to insure against rusting and wearing. The upper panels of the Drive Doors are furnished with ¼" wired fireproof glass. HARRIS Garage doors are guaranteed not to sag or warp, and this feature alone is worth a great deal in any building. Anyone who has had experience with wooden doors in a garage knows that for a good many months during the year it is practically impossible to close the doors properly. In other cases when the doors do fit loosely they are so loose that they do not really afford protection against the weather. HARRIS DOORS FIT TIGHT, BUT ALWAYS FIT RIGHT. Every door is equipped with complete hardware including a good padlock and two keys.

DOOR STOPS:

A set of convenient Door Stops is provided with each set of Drive Doors, these stops effectively holding the doors open in any desired position.

WINDOW:

The Window is also of ¼" wired glass, and is of the pivot type. Our experience has proven this type of window by far the most satisfactory for this purpose. When open it admits a complete volume of air without providing an opening that will admit intruders, and when closed it gives an absolutely tight fit. This window fits into a regular side section, and as all side sections are interchangeable, this window side section can be placed on either side or rear where desired.

BENCH BRACKETS:

A set of Angle Iron Bench Brackets is provided with each garage, and attached to the inside of the building in the most convenient position.

VENTILATORS:

The reason why HARRIS Steel Buildings are cool during the hottest summer days is because of the scientific ventilation provided. We all know what causes a building to be hot. It is invariably a lack of air circulation. As the heated air rises, in the ordinary building there is no way for this heated air to pass off. In a HARRIS a constant circulation of air is provided and it is provided at the point where the heat would ordinarily be greatest. It is true that the metal itself does become very warm, but the amount of heat that is radiated from the metal to the inside of the building is negligible and is more than offset by the ventilation provided in HARRIS Steel Buildings, but which is not ordinarily found in other types of construction. Actual tests have shown a HARRIS placed alongside another type of building, to be considerably cooler than either frame, brick or cement block.

What is true of heat in the summer time is also, to a certain extent, true of cold in winter. Although the metal itself will get cold to the touch, but a small amount of this cold is radiated to the inside; in fact, no more than is radiated by the glass windows in your home, and you know, it is not the glass itself that makes your room cold, it is the draft that comes through around your window and through cracks under the doors, etc. HARRIS Steel Buildings are absolutely tight. The material is not porous like wood, brick or cement, and there are no cracks for the air to get through. As in the case with heat, other tests have shown HARRIS Steel Buildings to be actually warmer in winter than other types of construction.

GUARANTEE:

Every HARRIS Steel Building that leaves our factory is carefully inspected as to material and workmanship. HARRIS Steel Buildings are absolutely GUARANTEED against defects in material and workmanship. THEY are guaranteed not to leak through the roof and the doors are guaranteed not to warp or sag.

SERVICE:

The one big feature that has done more towards our success than any other is the service that goes with every HARRIS. We realize that only by rendering first class service and by giving real satisfaction can we expect to prosper. We are going to continue the policy established of rendering the best kind of service we know how.

BUILD OF STEEL "THE HARRIS WAY" AND SAVE MONEY

THE PROOF of HARRIS QUALITY

Used for public and private garages, stores, homes, filling stations, warehouses, factory buildings, aeroplane hangars, hospitals, schools, churches, boat houses, foundries, and all one-story buildings:

They are a practical economy and the latest 20th century method for saving time and money in erection of buildings. This is accomplished by using standard unit sections and other standard parts by production in quantity, making machines do the work of carpenters, masons and other erecting men.

Fire-proof:

They are built entirely of steel and steel does not burn.

100% Lightning-proof:

A steel frame building properly grounded by actual test is not only proof against lightning, but is a protection to other buildings near it.

Warmer in Winter and Cooler in Summer:

Steel buildings can be proven to be warmer inside than other constructions in winter and the reason is that they are draft-proof and remain so. They are cooler in summer because they are scientifically ventilated.

Attractive in Appearance:

Steel can be painted or sanded any color. No building is attractive if not painted. Paint will last as long or longer on steel as on wood and it requires only one-half the quantity of paint and labor to apply. Harris Buildings can be built any style or shape.

Cost Less — Last Longer:

Harris Buildings are produced by machines in large quantities with no waste material, saving 60% of the cost of labor necessary in other constructions. With ordinary care galvanized steel will last by actual test more than twenty years and if it is painted it will last much longer.

Always Dry — Remain Weather-tight:

All building material accumulates moisture due to condensation. Steel is the only material that does not absorb or retain this moisture. Steel will never warp or dry out and leave open cracks—it always remains weather-tight.

100% Salvage Value:

Harris Buildings are bolted together and buildings twelve years old have been moved to new locations without requiring a single new part. The sectional construction makes this possible.

Practical Utility:

Harris Buildings can be altered. A garage made into a store or cottage by adding a new front; a small building made larger by addition of standard sections; or remove the building to a new location.

Most Substantial Construction:

Harris Buildings have a structural iron super-structure which has greater weight resistance per square foot than any other construction. They are four times the actual required strength so that they will stand most extraordinary stresses and strains.

Economical to Maintain:

Steel buildings are not subject to warping and opening up due to settling of building or drying out. No maintenance cost except that they should be painted at least every five years. No insurance is necessary.

Reasonable Price:

At the same price as other construction, Harris Buildings are more practical for all uses and the saving in cost is usually 20% to 50% and the saving in time even greater.

Responsibility of Manufacturer:

For fifteen years Harris has been a leader in steel building manufacturing. There are thousands of satisfied owners and all buildings have stood the acid test of time.

Time Payments:

You can buy a Harris with a small down payment and take one year to pay the balance.

Garages:

Regular equipment for each individual stall includes 1 set of 8 x 8 hinged drive doors equipped with door stops, one set of angle iron bench brackets and one hinged 18" x 24" wired glass window. Service doors, partitions and floors are not included as regular equipment.

Filling Stations:

Harris service stations are built with canopies or without. The size of windows and doors is optional and these buildings can be furnished with lining or without. The design of roof is a matter of choice.

Store Buildings:

Harris stores can be had in any design, size or style with inset or straight store fronts and can be furnished with or without linings. We carry several different styles of windows and doors in stock. Painting or sanding to represent brick can be furnished if desired.

Cottages and Homes:

Harris cottages and homes are furnished in many different designs and the windows and doors can be furnished in either wood or steel. They can be lined or of single wall construction and can be furnished with floor or without.

Warehouses and Large Buildings:

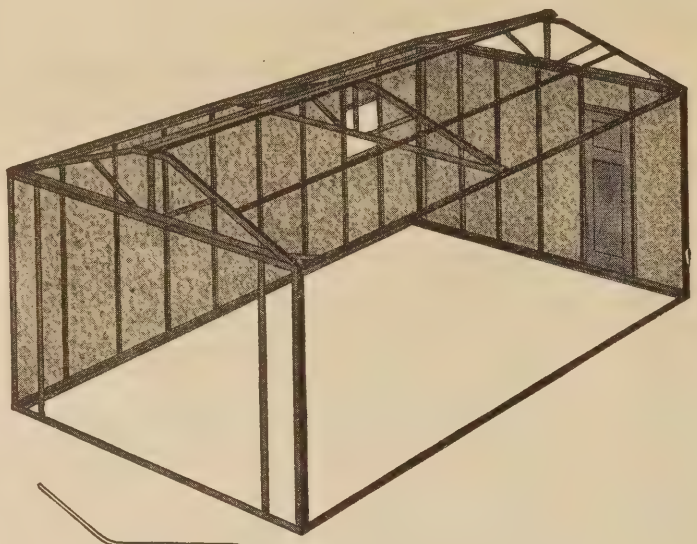
Large Harris buildings are built to meet your requirements. They can be furnished up to 70 feet clear span with gable roof, monitor type or saw tooth construction.

Engineering Service:

Our engineering department will furnish you with detail drawings and sketches on any size or style of building you may require without obligation on your part.

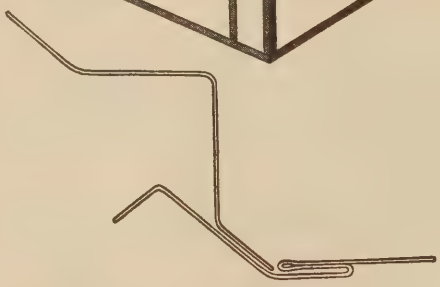
Harris Buildings have given service and complete satisfaction to owners for more than 30 years.

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO



Construction Detail

Harris garages, filling stations, stores, cottages and warehouses are all made from the same unit sidewall and roof sections. The interior angle iron superstructure varies in size and weight, depending upon the size of building and purpose of its use. Harris uses only the finest quality of galvanized steel and angle iron obtainable.



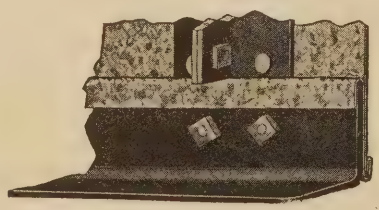
Method of locking roof sections.

All Harris buildings bolt together on the interior as illustrated in garage cut. Each galvanized steel side wall section is 32 inches wide and has angles riveted to each side.

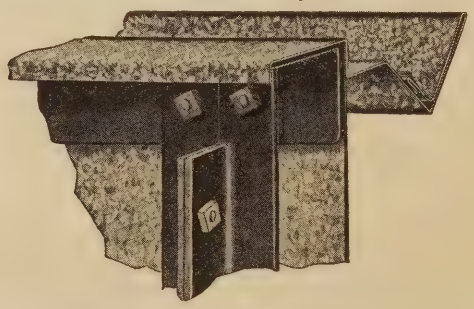
Roof sections locked.

These side wall angles bolt to the top and bottom angles and to each other, forming a tight, rigid wall. The truss members vary in size of angles depending on size of building and required strength. The trusses are bolted to the top frame angles and they are tied together by purlin angles and false ridge. The galvanized steel roof sections are 30 inches wide and lock into each other and are bolted to the purlins.

Outside view of bottom frame angle where side sections join showing cap sealing connection.



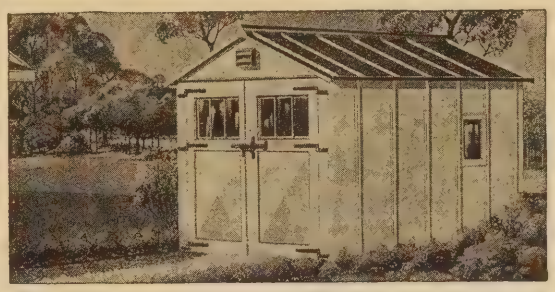
Interior view of Bottom Frame angle showing method of bolting side section angles.



Interior view of top angle showing bolting of side sections and gutter attached to top frame angle.

FIREPROOF AND WEATHERTIGHT

STEEL SECTIONAL GARAGES



No. 25-C-918

Real protection and convenience—your garage in your back yard.

No. 25-C-1818

Note the sturdy construction and handsome appearance.

Harris All Steel Sectional Buildings cost less money than any other good fireproof construction such as brick, tile, or concrete. They have 100% salvage value, and are fireproof and weathertight. They are scientifically ventilated and are positively cooler in the summer and warmer in winter than any other one story construction. Finished as single or double car garages and are so designed and arranged that the various members and sections can be assembled properly by the most unskilled persons by merely following the simple erection plans which are furnished with each building.

MULTIPLE GARAGES

Small Investment—Big Returns

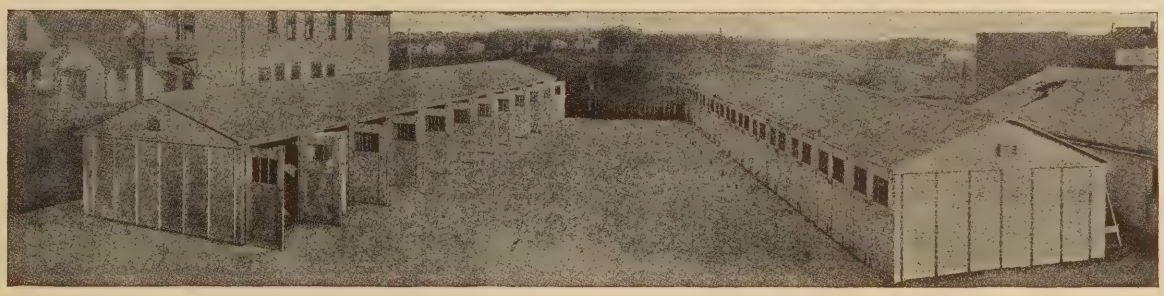
No. 25-C-1827

Let your neighbors pay your taxes. They'll be glad to pay you rent for this convenience.

No. 25-C-1836

At $5.00 per stall rent this garage earns 42% on your investment.

Harris metal buildings as multiple garages interest several different groups of people. First, there is the manufacturer, contractor or other large user of trucks who needs a multiple garage for housing his fleet. Then there is a community garage where a group of people in suburban towns club together and erect a multiple garage, thereby making a saving for each individual on the original cost over the cost of a single unit. Attractive lines and good paint make them really attractive and are not to be classed with the ordinary idea of metal buildings.



These garages purchased on monthly payments are earning as high as 60% on the investment for the owners. They have paid for themselves many times over and are today practically as good as when erected. Investing in a Harris All-Steel Building is an investment second to none. Nowhere can such returns be had without risk, inconvenience or discomfort.

LOW PRICES

Sizes, Weights, Capacity and Equipment of

HARRIS STANDARD STEEL GARAGES

Number	Capacity	Size	Weight	Price F. O. B. Chicago
25-C-913	One-Car	9′x13′ 6″	1454	$170.00
25-C-916	"	9′x16′ 2″	1615	185.00
25-C-918	"	9′x18′10″	1760	200.00
25-C-1013	"	10′x13′ 6″	1622	185.00
25-C-1016	"	10′x16′ 2″	1829	200.00
25-C-1018	"	10′x18′10″	2032	215.00
25-C-1216	"	12′x16′ 2″	2060	217.00
25-C-1218	"	12′x18′10″	2280	232.00
25-C-1416	"	14′x16′ 2″	2299	232.00
25-C-1418	"	14′x18′10″	2530	249.00
25-C-1613	Two-Car	16′x13′ 6″	2288	290.00
25-C-1616	"	16′x16′ 2″	2538	307.00
25-C-1618	"	16′x18′10″	2786	324.00
25-C-1813	"	18′x13′ 6″	2442	297.00
25-C-1816	"	18′x16′ 2″	2629	314.00
25-C-1818	"	18′x18′10″	2844	331.00
25-C-1821	"	18′x21′ 6″	3060	355.00
25-C-2016	"	20′x16′ 2″	3072	342.00
25-C-2018	"	20′x18′10″	3347	361.00
25-C-1624	Three-Car	16′x24′	3500	403.00
25-C-1627	"	16′x27′	3674	437.00
25-C-1827	"	18′x27′	3866	449.00
25-C-2027	"	20′x27′	4198	485.00
25-C-1636	Four-Car	16′x36′	4524	542.00
25-C-1836	"	18′x36′	4757	569.00
25-C-2036	"	20′x36′	5238	607.00
25-C-1645	Five-Car	16′x45′	5374	648.00
25-C-1845	"	18′x45′	5648	689.00
25-C-2045	"	20′x45′	6278	730.00
25-C-1854	Six-Car	18′x54′	6539	809.00
25-C-1821	Filling Station		4350	638.00
25-C-1018	"	"	4364	720.00

Equipment

All standard garages shown on this sheet, with the exception of Nos. 1613, 1616, 1618, and 1624 are provided with the following equipment:

1—set 8′x8′ Drive Doors for each stall—upper panel glazed with wired glass.
1—18″x24″ Wired Glass Top Hinged Window for each stall.
1—set Angle Iron Bench Brackets for each stall.
1—set Door Stops and Spring Door Latches for each set of Drive Doors.
1—Good Lock for each Drive Door with two keys.
Louvre Ventilators in the Gables.

Nos. 1613, 1616, 1618 and 1624 are provided with the same equipment listed above, except that the Drive Doors are 8′ high and 7′ wide.

All 3-car and larger garages having the Drive Doors on the eave side of the building, are provided with Box Gutter on the front above the Drive Doors with Conductor Pipe.

Extra Cost for Crating

One-Car	$10.00
Two-Car	17.50
Three-Car	21.00
Four-Car	28.00
Five-Car	35.00
Six-Car	42.00
1821 FS	20.00
1018 FS	20.00

These charges must be added if buildings are ordered in less than carload lots.

NOTE: We will deliver and erect these garages within 35 miles from our plant at following prices:

One-Car	$25.00	Four-Car	$60.00
Two-Car	35.00	Five Car	75.00
Three Car	45.00	Six-Car	90.00
1821 FS	35.00	1018 FS	45.00

NOTE: We do not furnish foundation posts or floor (6″ cedar posts set 18″ to 24″ in ground usually used). All garages are furnished without service doors and if same are desired we can furnish 30″x7′0″ steel service doors complete with hardware and wired glass at the rate of $20.00 each.

Charge for extra windows, 18″x24″ glazed, $8.50 each.

We also can furnish wire netting partitions 8′ high between garage stalls complete with angle iron studding at $9.00 each.

All above listed garages have walls 8′ high—other sizes upon request.

Freight Classification: Portable Steel Building, 3rd Class, less than carload; 5th class, carload.

ECONOMICAL IN PRICE AND UPKEEP

Popular Harris Portable
STEEL FILLING STATIONS

These buildings are made of special Tite-cote Rust Resisting Metal and of the same standard construction as all other buildings. Sturdy construction and neatness in design make our filling stations the most practicable buildings which can be procured.

No. 25-C-1821. Here is an attractive filling station built to stand the test of time—all steel construction. Surprisingly low cost

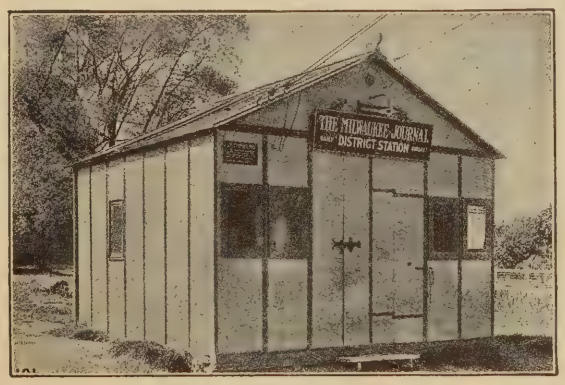
No. 25-C-1821. Filling Station consists of inclosure 9′8″x18′ and 10′ high with canopy extending 11′10″x18′ and 12″ overhang at the eaves. Seven windows, 28″x60″, glazed with 3/16″ plain crystal transparent glass. One 30″x84″ steel entrance door glazed in the upper panel with crystal glass. Each side wall section is 32″ wide and has angles riveted to each side. The roof sections are 30″ wide and lock into each other and bolted to the purlins. In the construction of these buildings we use only the best quality material obtainable.

Price..... **$638.00**, F. O. B. Chicago
Shipping weight, 4,350 lbs. Crating charge, $20.00

No. 25-C-1018. Harris design metal tile, hipped roof, all steel filling station.

No. 25C-1018. Filling Station consists of inclosure 10′x18′ without canopy, with 12″ overhang at the eaves. Seven 28″x60″ windows glazed with 3/16″ plain transparent glass. One 30″x84″ door glazed in the upper panel. The roof sections are of our standard 30″ width, lock jointed galvanized steel. If desired we can furnish material for metal tile roof and also lining. Construction and specifications of material are the same as our other buildings.

Price.....**$720.00** F. O. B. Chicago
Shipping weight, 4,364 lbs. Crating charge, $20.00



No. 25-C-916. Harris buildings are ideal for small offices, stores and distributing stations. This one as shown size 9x16 and 8 ft. high.
Special $285.00

Harris All Steel Buildings

Furnished in All Sizes for Use As:

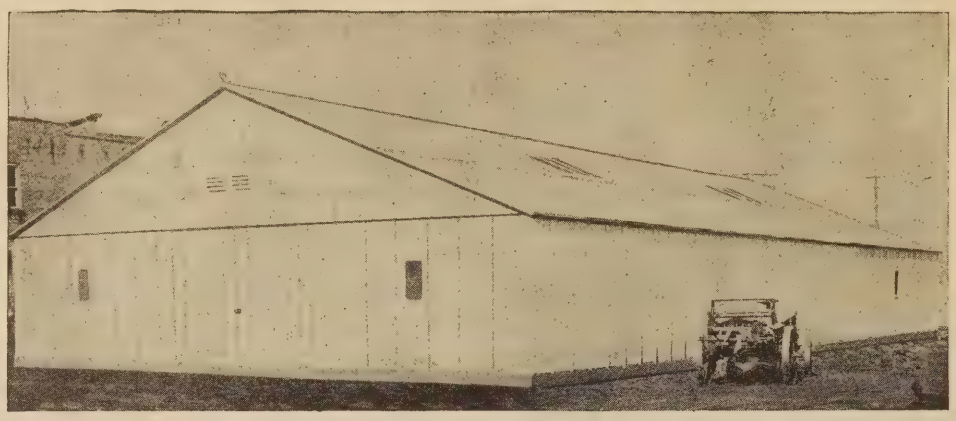
Offices	Garages	Oil Houses
Tool Houses	School Houses	Industrial Bldgs.
Bunk Houses	Warehouses	Labor Houses
Freight Sheds	Oil Stations	Supply Houses

Write or telephone for prices and information—giving size of buildings, number of doors and windows, and let us help you solve your building problems.

You can buy a Harris building with a down payment and take one year to pay the balance.

Industrial Buildings and Warehouses

Doors and Windows Glazed with Wired Glass



Plans and Blue Prints on Request

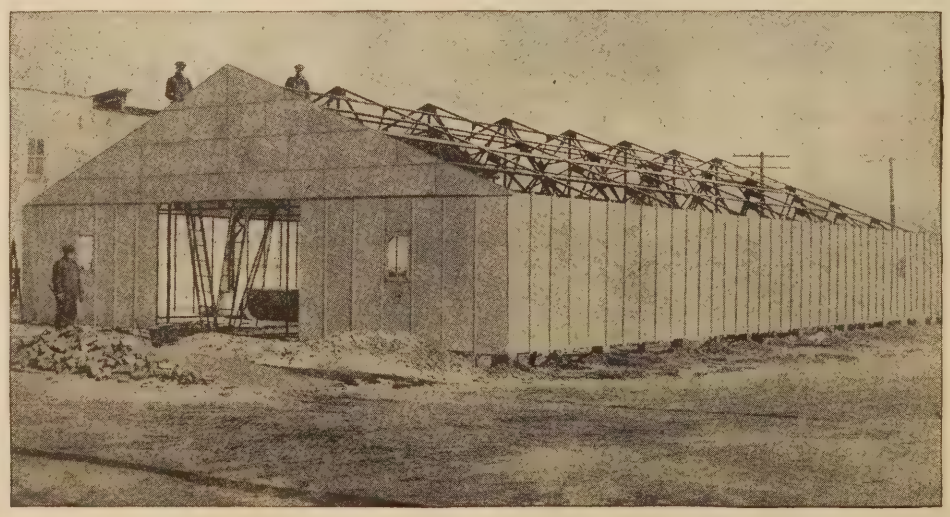
HARRIS Portable Steel Buildings are the most substantial portable buildings on the market today. They are constructed entirely of heavy angle iron framework, bolted together from the interior. This forms a rigid supporting trusswork, to which are attached the galvanized steel roof and wall panels. Built in sections which are easily and speedily handled. Re-erected if necessary. It always has been our purpose to furnish portable, attractive one-story shelters, covering various styles and uses for all manner of purposes, to a class of buyers where quality, convenience, durability and ultimate economy are of prime consideration. Your confidence is warranted through our 30 years of steel building manufacture, and the thousands of buildings we have produced for satisfied owners.

These buildings are built with our regular Fink truss design using trusses every 10 feet supported by columns of sufficient size and strength to take care of all roof load and wind pressure. The side sections are of 32" units with 1¾" steel angles riveted to each side. Material for roof and side sections is of our special "Tite-cote" Rust-proof galvanized steel of 26 gauge. Our standard buildings made from 18′ to 60′ wide, 8, 10 and 12′ high, and any length in multiples of 10′ sections.

LOW PRICES

25-C-2200.	Size: 20′ wide, 30′ long and 10′ high. Price	$ 580.00
25-C-2201.	Size: 30′ wide, 60′ long and 10′ high. Price	1,570.00
25-C-2202.	Size: 40′ wide, 60′ long and 10′ high. Price	2,350.00
25-C-2203.	Size: 40′ wide, 100′ long and 12′ high. Price	$3,376.00
25-C-2204.	Size: 50′ wide, 100′ long and 12′ high. Price	4,685.00
25-C-2205.	Size: 60′ wide, 100′ long and 12′ high. Price	5,675.00

FREE Engineering Service



Send Us Your Inquiries

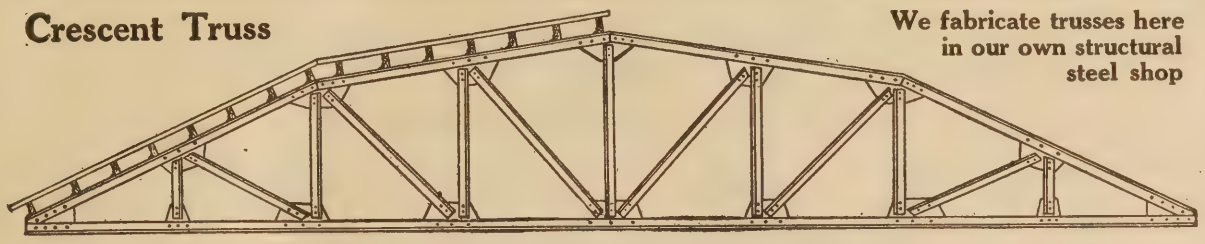
We illustrate above only one of a number of types of buildings which we have furnished in large numbers throughout the country. We suggest prospective buyers write us fully, giving us the following information:
Size of Building. Number and Size of Doors and Windows.
All this information will enable us to send you a quotation on cost of building complete.

FREE Engineering Service!

Our competent engineers will aid you in solving your structural steel problems. Don't hesitate to take advantage of this valuable service, whether your requirements call for a few lintels or a large steel structure complete. This service is given free and without obligation to you of any kind.

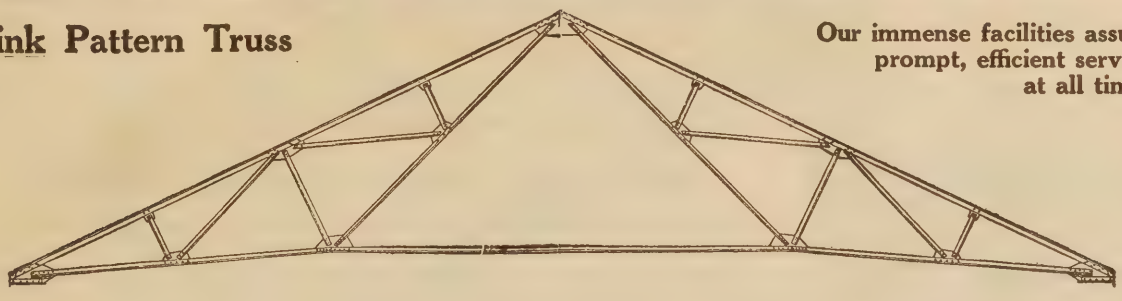
Crescent Truss

We fabricate trusses here in our own structural steel shop



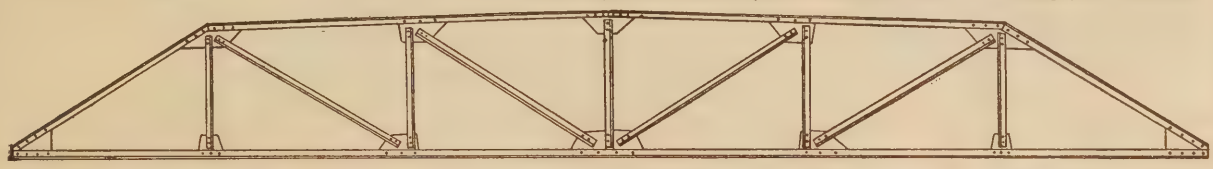
Fink Pattern Truss

Our immense facilities assure prompt, efficient service at all times



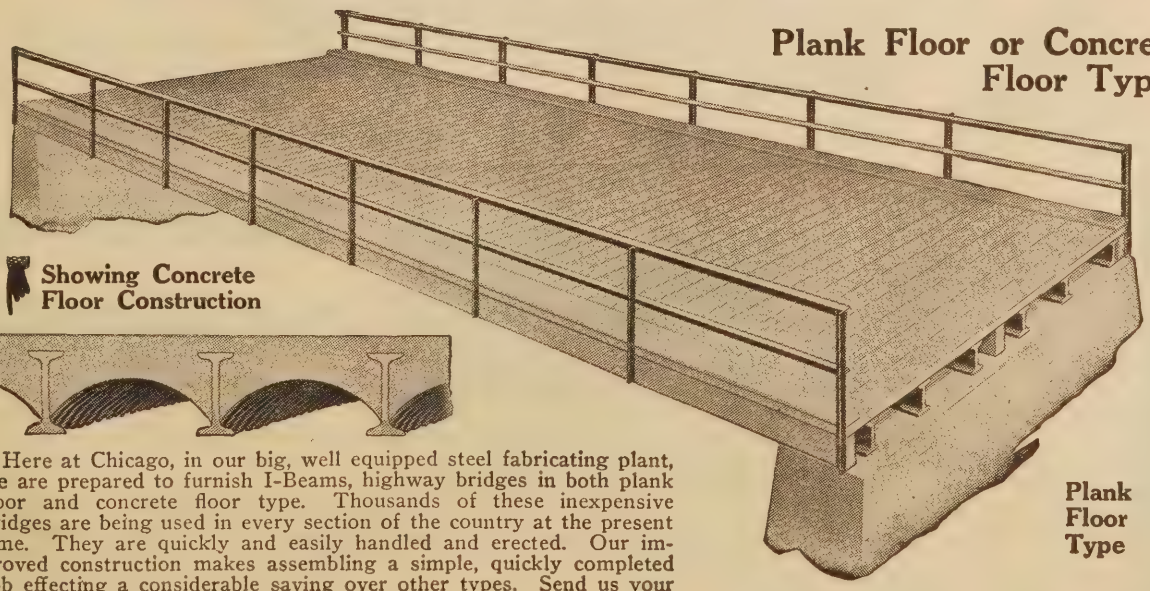
Pratt Truss

When writing for prices on steel trusses, be sure to state width of building, height and style of truss and kind of roofing you will use.



I-BEAM HIGHWAY BRIDGES

Plank Floor or Concrete Floor Types



Showing Concrete Floor Construction

Plank Floor Type

Here at Chicago, in our big, well equipped steel fabricating plant, we are prepared to furnish I-Beams, highway bridges in both plank floor and concrete floor type. Thousands of these inexpensive bridges are being used in every section of the country at the present time. They are quickly and easily handled and erected. Our improved construction makes assembling a simple, quickly completed job effecting a considerable saving over other types. Send us your specifications for our low prices.

Steel Lintels and Girders Made to Order

Here at Chicago, we are equipped with best facilities to fabricate steel lintels and girders at big savings. Here are but a few of the many types of lintels and trusses which we can furnish quickly. If you require structural steel of any kind, our competent engineers will give you accurate and complete information. All we need is a list of the sizes you require, size of openings in walls and thickness of wall.

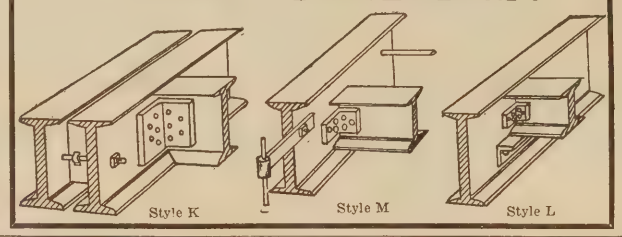
"I" BEAMS

Illustration shows "I" Beams which are made in standard sizes, ranging from 3 to 24 in. high.

CHANNELS

Cut shows steel Channels, which are made in standard sizes ranging from 3 to 15 in. high.

STEEL GIRDERS!

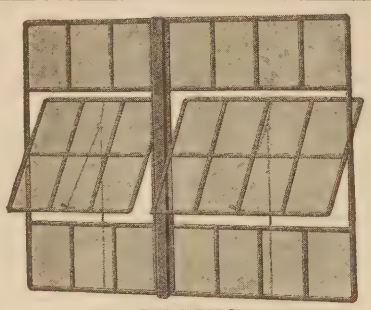


ANGLES

Illustration shows Angle Steel, made with equal and unequal legs, ranging from ¾x¾ to 8x8 in.

TEES

Cut shows Steel Tees made with equal and unequal legs, ranging from 1x1 to 4x4 in.



Newest Style Steel Sash!

The illustration shows the New and Better Type steel ventilating sash which are offered for prompt shipment out of stock at remarkable saving.

We furnish together with the sash, necessary glazing clips and hardware for operating the ventilators. (Glass size, 14"x20".)

Note: We do not furnish glass nor putty at the prices quoted.

The neat appearance and symmetrical lineament of the exterior of the sash classes it with the Architecture for Residences, Hotels, Colleges, Office Buildings and Factory Buildings.

The following paramount features set forth the high qualities of our sash:
We have the only steel sash manufactured with a pivot:
That do not become rusted, tight and worthless when not in use.
That allows ventilators to be removed by window cleaners.
That have no bolts nor nuts to be removed before removing ventilator.
That does not require readjustment when ventilator is replaced in sash.
That flat surface contact all around the ventilators afford superior weathering.
The double two way mortise and ten joint insures rigidity.
The hingeless, non-breakable, non-rusting pivot contributes durability and service.
Our tongue and groove mullions provide expansion and contraction without the use of bolts and slots.

These qualities of economy and advantages by 95% machine manufacture enables us to quote the surprisingly low prices.

PRICES

No. 1.	6′ 0″	x 6′ 9⅝″	$10.50
No. 2.	6′ 0″	x 5′ 1¼″	9.00
No. 3.	4′ 9⅝″	x 6′ 9⅝″	9.00
No. 4.	4′ 9⅝″	x 5′ 1¼″	8.50
No. 5.	3′ 7¼″	x 6′ 9⅝″	7.50
No. 6.	3′ 7¼″	x 5′ 1¼″	7 00
No. 7.	3′ 7¼″	x 3′ 4⅞″	6.50

ASBESTOS AND MILL BOARD

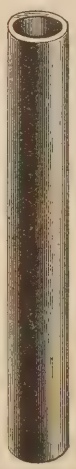
8½c per square foot

This extra heavy asbestos millboard is being used extensively for insulating buildings, stoves, refrigerators and for fireproofing work rooms, garages, warehouses, vaults, etc. Holds the heat and keeps out cold. Furnished in following sizes, at per square foot 8½c

SIZES IN STOCK

17″ x36″ x½″	16¼″x17¼″x½″	24″ x36″ x¾″
17″ x50″ x½″	17″ x34″ x½″	36″ x72″ x½″
8¼″x24″ x½″	17¾″x50″ x½″	

STEEL TUBULAR COLUMNS



We furnish steel tubular columns to meet all requirements. These columns are made of standard pipe or light tubing, depending upon the purpose for which they will be used.

Standard pipe columns are recommended for purposes where greater strength is required. To secure additional strength, they can be filled with concrete on the job.

Light tubing columns are recommended for use where the load is not too great. For additional strength, they too, can be filled with concrete. Write for prices.

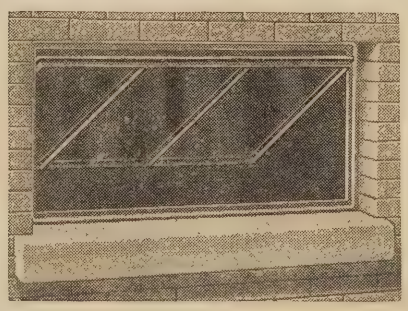
Concrete Filled Columns

We also furnish patented special steel columns filled with concrete in making. Endorsed by architects, engineers and builders; accepted by building departments of all large cities.

Recessed Caps and Bases

All columns are furnished complete with standard caps and bases.

STEEL BASEMENT WINDOWS

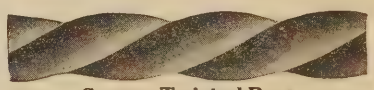


1. They admit 88% more light than windows made of wood.
2. They give better ventilation.
3. They open easily and lock securely.
4. They never warp nor shrink.
5. They are fire-resisting. 6. They never rot.

Size No. 1.	2′ 8½″x1′ 4″	(3 L 10x14)		$4.25
Size No. 2.	3′ 2½″x1′ 8″	(3 L 12x18)		4.00
Size No. 3.	2′ 6⅛″x1′ 10″	(2 L 14x20)		3.75

CONCRETE REINFORCING STOCK

Deformed Bars



Square Twisted Bars

In addition to the above deformed and square twisted type concrete reinforcing bars we always have on hand a large and varied assortment of material suitable for this work. Don't fail to write for our low, quick sale prices on concrete reinforcing material for we may have a sufficient quantity of stock on hand which we can let you have at a substantial saving.

To Every Man and Woman Comes the Natural Desire to Own a Home - -

THE FOLLOWING PAGES
ARE DEVOTED TO

Harris Homes Beautiful

GUARANTEED
READY-CUT OR NOT
READY-CUT SUPERIOR
CONSTRUCTED HOMES

THIS Company realizing the needs and demands of the public, from many years of experience, presents herewith a handsome selection of carefully prepared plans for moderate priced homes at prices so reasonable, that a home is easily within your reach even though your means be limited.

The character of these homes, and the quality of the material we supply is such as to at once convince you of the desirability of purchasing from this Company.

Nothing But Praise

Here Is Proof That You Are Safe In Buying a Harris Home

PLEASE READ

Space prohibits reproduction of thousands of unsolicited letters similar to these. Note particularly Mr. Leary's letter below, what he says about our specifications—our quality and our quantities. Post office addresses gladly furnished to all prospective buyers.

"COULD NOT HAVE GOT AS GOOD LUMBER HERE"

Pa.

Harris Bros. Co.
Chicago, Ill.

Gents:— Am enclosing photo of our bungalow bought last year. Made a change in porch from original design. It has attracted much attention and favorable comment. Prices finish. Well suited with material you furnished to make our home. My carpenter said I could not have got as good lumber here. And it went together as nicely. Yours truly E. H. Smith.

OCT

"SAVES $1320.00"

Harris Bros. Co.,
Chicago.

Mass.

Moved into my house today. Fifth house I have built in five years, but my first Ready-Cut. I investigated for one year several of your competitors and noticed that you were the only one who gave detail specifications even to the smallest items. I knew I had something good if you stuck to specifications. You made good in this respect as to quality and quantity. In fact the material was too good for carpenters (old timers) as I hear the remark "not necessary" when your plans called for extra headers and plates, etc. They wanted to get away from plans, but I stuck close and held them to plan. Not used to such fine hard lumber in Y.P. also framing sheath. The latter sells here as finish at $85.00 per M. House cost me complete $3,260.00. Contractor bid $4,600.00 to build its duplicate here.

Yours,

T.A. Leary,

P. S. Will send snapshot soon!

Read What Others Say!!

IMPORTANT FACTS

- Here you can buy everything needed to build, improve and furnish a modern home.
- There are thousands upon thousands of satisfied Harris Home owners in the United States.
- On request we will furnish you a list of Harris Home owners nearest you.
- Satisfy yourself that Harris Homes are regularly constructed, carpenter built houses.
- Our construction plans comply with all building codes anywhere thruout the United States.
- All materials are BRAND NEW and can be furnished either Ready Cut or in regular stock lengths.
- Materials furnished Ready Cut under our Guaranteed System are acceptable to carpenters anywhere for it was thru their recommendation and advice that our simplified cutting, bundling and marking system was devised.
- If you build a Ready Cut Harris Home the average saving in Construction Cost is 40%. The saving in material cost from 15% to 30%.
- You save all architectural costs. Plans are free with every house order—Saving from $50 to $100.
- Our plans in this book will help you; don't buy materials for your new home until you investigate—More than 100 different houses to choose from—All in stock ready for immediate shipment.

Harris Home Builders

You Are Protected Under Our Guarantee

WHEN YOU BUILD

Build a Harris Home **— get better material at lower prices — our binding guarantee protects you. You know your home will be right — of better material, design and finish — all at no extra cost. Thousands of our customers have done so—why not you?**

EVERY PIECE FITTED PERFECT

Harris Bros. Co.,
Chicago, Ill.

Dear Sirs:

1018 A. I have just finished building my house from you. I am well pleased with everything I had represented. Every piece of lumber was just as you represented. My carpenter said it was the best lumber he ever used and every piece fitted perfect. I had plenty and some left over, such as box sheating, roof boards, shingles, flooring and nails; and paint. I have quite a bit more than I needed.

I am real proud of it and show it to all my friends as they come around. My furnace is a dandy.

My fixtures and electric light fixtures could not be better. I am a very satisfied customer of yours and any order that I need will be filled by you.

Yours very truly,
Wm J Walter
502 Bonnie Street,
Michigan.

BUY DIRECT FROM FACTORY —SAVE MIDDLEMEN'S PROFIT

SAVED $400.00

Pa.,
R D # 3

Dear Sir

I am sending you a photograph of the house that I purchased from you I am well pleased with it and do not regret buying from you

The house has been satisfactory to me in every way and there was plenty of material for every need

I think there was a saving of about four hundred (400) Dollars If I can help you by getting customers for you I will do so There is no house like it in this vicinity and it is very popular

I am
Yours Very Truly
Horace Clifton

Also see preceding pages.

Unsolicited Testimonials from Home Builders Everywhere

Carpenter Says It was a Perfect Fit

——————Michigan.

Harris Brothers Co., Chicago.

Gentlemen: I have just finished erecting one of your ready cut houses and I believe your system is the best so far produced. . .

The window sets and door sets were all marked and bundled and the studding were all so accurately cut that I could not believe my eyes when I sighted the top plate, because it was so straight.

The roof went together like it was grown there. The jack rafters were all marked and bundled in pairs, and fitted better than I believed it was possible to cut them. The least I can say about the roof, or the entire job for that matter, is that it was a perfect fit. I nearly forgot to mention the high grade of lumber I received and plenty of it. This was my first Harris Brothers Cut to Fit House and it will not be my last.

Yours respectfully,
(Signed) Wm. H. Klasner,
Carpenter and Builder.

More than Pleased with Quality of Material

——————New York.

Harris Bros. Co.

Gentlemen: The house has now advanced to a point where we can see what it is going to look like, and assure you that we are more than pleased with both the house and the treatment which we are receiving at your hands,

Very truly,
(Signed) Kenneth Sweet.

Commends Our Methods and Liberal Dealing

——————New York.

Harris Bros. Co.

Gentlemen: I want to again express my appreciation of your fair and honorable dealing and to thank you for all the assistance you gave me before and during the construction of my home, and assure you that I will take pleasure in commending your methods and liberal dealing and will be pleased to show my house to any persons you may wish to send to view it.

You will hear from me in the future as a satisfied customer when I need goods in your line.

Very truly,
(Signed) A. W. Young.

Saved $200. Material was Better

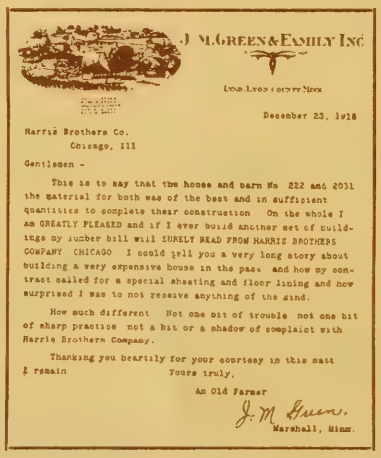
——————Illinois.

Harris Brothers Company, Chicago.

Gentlemen: I know you will be pleased to hear that Harris Home No. 1507 CUT TO FIT, which I purchased from you is now about complete and I expect to move into it in about a week or ten days. We are very well satisfied with the material you furnished, and my carpenter, Mr. Frank Fhalback, of Rockford, Ill., also says the material was better than any he has ever handled, and he was also very much pleased with your simple READY CUT System.

I know considerable time was saved in erecting the building—in fact, I could have put this building up myself should I have been unable to get a carpenter. I cannot say exactly how much money was saved on the completed cost of the building, but am sure it was in the neighborhood of $200. There was plenty of everything needed to complete the building. If anyone in this vicinity would like to see a beautiful Harris Home you may feel at liberty to send them to me. You may also use this letter in any way you see fit. Wishing you success, and thanking you for your cooperation, beg to remain,

Yours sincerely,
(Signed) Logan Eastman.



J. M. GREEN & FAMILY INC

Lynd Lyon County Minn

December 23, 1918

Harris Brothers Co.
Chicago, Ill

Gentlemen -

This is to say that the house and barn No 222 and 2031 the material for both was of the best and in sufficient quantities to complete their construction On the whole I am GREATLY PLEASED and if I ever build another set of buildings my lumber bill will SURELY READ FROM HARRIS BROTHERS COMPANY CHICAGO I could tell you a very long story about building a very expensive house in the past and how my contract called for a special sheating and floor lining and how surprised I was to not receive anything of the kind.

How much different Not one bit of trouble not one bit of sharp practise not a bit or a shadow of complaint with Harris Brothers Company.

Thanking you heartily for your courtesy in this matt I remain Yours truly,

An Old Farmer

J. M. Green.
Marshall, Minn.

Satisfied with His Home Carpenter Well Pleased

——————Ohio

Harris Bros.

Dear Sirs: The Harris Home No. 1512 received. My carpenter says it is the nicest carload of lumber ever unloaded at Lakeside. I believe it is true. I am very well pleased. Cordially yours,

(Signed) Rev. A. E. Stockham.

Would Cost $1000 More

——————Wisconsin

Harris Brothers Company.

Gentlemen; The CUT TO FIT House bought from you is finished and we are occupying same and will say it is one of the best houses in our neighborhood. If I was to buy the material at any place in this part of the city it would cost me at least $1,000 more. I must say the CUT TO FIT house is one of the best and easiest to put up. Thanking you very much for your prompt delivery on your 1501 CUT TO FIT Home, I remain, Yours very truly,

(Signed) Paul F. Scholz.

Saved at Least $500 Building The Harris Way

——————Pennsylvania

Now a few words about the house. To say that I am pleased with it would be putting it mild. I am certainly delighted with my place and I think I have just as fine a little home as there is in Freedom. I can also say and be truthful, that I saved at least $500, and perhaps more by building the Harris way. . . . .

(Signed) N. P. Kyser.

Harris Brothers Company

CAPITAL STOCK, $10,000,000

INCORPORATED 1893

Certificate of Unconditional Guaranty

We Guarantee absolutely and without reserve, that we will furnish for each and every order for any design shown in this book, at the price quoted, sufficient material to build same in a good substantial and workmanlike manner, strictly according to the Blue Print Plans, Specifications and Material List furnished.

We Guarantee and agree that in the event of there not being sufficient material, to reimburse our customer for any purchase he may make on account of shortage or error—we to be notified of such shortage or error, however, and to have the right first to furnish the missing material ourselves, or authorize our customer to purchase it at our expense.

We Guarantee to furnish with each order for any of our designs, full directions in the form of an itemized list of material, showing just exactly the number of pieces, feet, size, grade, style, finish, etc., of the material furnished, designating the purpose for and the place in which it is to be used.

We Guarantee to furnish with each shipment an itemized invoice, showing just what is in the shipment, so that our customer may check the material received against our invoice. If anything is short, notify us at once. After this has been done and the amount received is found not sufficient to complete the job, then, if the error is ours, we still hold ourselves responsible.

HARRIS BROTHERS COMPANY

President

Liberal Terms for You—No Cash in Advance

We do not ask you to pay us cash in advance in any instance

In all fairness, you cannot however, expect us to ship you, perhaps a stranger, a valuable carload of material without some evidence of good faith on your part. We have, therefore, printed our terms of shipment in plain, easily understood language, giving you four different methods by which you can order.

Whether or not you send cash with your order, you are protected in every way by our guarantee. The advantages of sending cash in full with order are the earning of the cash discount and the saving of delays and annoyances in getting possession of the material at your end of the line. *Our cash discount* is allowed *only* when full remittance is sent when you order. The printed prices of Harris Homes are free on board cars Chicago. Freight paid prices quickly quoted by return mail. Take your choice of the following terms, mentioning the number when you order.

Terms A **No cash with order.** We will ship you material without any cash payment whatever. Payment must, however, be covered by special terms guarantee blank (blank sent on application) which gives you 5 days time to inspect and unload before paying.

Terms B **Ten to 25 per cent cash with order** (depending upon distance to be shipped and amount), balance to be paid straight C. O. D.

Terms C **Two per cent special discount.** A special discount of 2 per cent will be allowed only when full remittance is sent with order.

This applies to Harris Homes only.

Terms D **Pay as your building goes up.** If you are arranging with a Building Association, Banking House or Trust Company to supply you funds to complete your building, we will accept payment in the following manner: *One-third with order; one-third in sixty days from date of order; balance ninety days from date of order.* Satisfactory guarantee of payment to be furnished by customer.

THE HARRIS WAY

What It Means to You

THERE are ways and ways to build a home—you may "Let the other fellow do it" and—pay. You may go about it in a tedious and piece-meal manner, about as follows: First, you hunt an Architect, then the Contractor, then the Builder, then the lumber yard and mill work factory, then other supply houses—and after many pro and con arguments on price and quality, in about 60 or 90 days, you may be ready to proceed with your building, and after you are through with it all—then perhaps a lawyer to clean up the mess.

"The Harris Way" means just the opposite. You can order everything right from your little desk or writing table—it is but a matter of a few postage stamps and the swift U. S. Mails. Everything is in writing, therefore dependable, instead of verbal promises, such as may be made you by eight or ten different local dealers supplying material.

"The Harris Way" means to get the best of more than twenty-four years study and experimenting in building material values of all kinds. The men, whose genius has developed this wonderful home building plan, have accomplished all you could wish for. Building a home today—a modern house that will be both good to look at and pleasant to live in, is no longer a tedious expensive, mysterious undertaking when "The Harris Way" guides you to its completion. "The Harris Way" means to build in a sensible, sound and economical manner. "The Harris Way" means highest quality of material for the price; correct grades, improved and approved methods of construction; complete elimination of waste and the passing to you, *yourself*, all the complete facts and figures—enabling you to be master of every situation—and the building of a home becomes at once a simple matter.

Distinguishing Details of *The Harris Way* Plan

Liberal Terms The HARRIS WAY means absolute protection to you because you need not pay one cent until every representation made has been proved to your satisfaction. Read carefully the liberal Terms of Payment as fully outlined on preceding page of this book. You will then clearly understand that the many advantages of "The Harris Way" begin right here and continue to help you at every step to the end.

Know Where You're At "The Harris Way" means a tremendous saving in time, worry and preliminary expenditures because we furnish the Blue-Print plans as clearly explained in our Free Plan Offer *before you buy*—not after. That's the only way to learn the true facts and clearly see how thoroughly every detail is covered by us. The risk is *all ours*.

Money Back For Waste "The Harris Way" means an entire elimination of waste. To accomplish this important feature, it is necessary that our designs be planned and figured carefully and correctly by experts. We gladly refund the purchase price on any waste material.

Guaranteed Improved Ready Cut "The Harris Way" means a much lower first cost, means better material furnished Ready Cut in a manner that enables you to get a **perfect job** with tight and close-fitting joints. You won't have to apologize at every turn for poor material and ill-fitting joints, or for any other reason. This we guarantee.

Saves Time and Trouble "The Harris Way" is the common-sense way that you can easily understand—no magic. Everything carefully thought out for you. The result is a quick, easily erected building which is completed in record time.

Come and Visit Our Plant "The Harris Way" means that our latch string is always out to you. We have nothing bad to hide and lots of good things to show. Our tremendous success has been built up by our open and above board policy.

Guaranteed Ready-Cut System

Ready Cut or NOT Ready Cut

HAT'S the question.

In many localities there is a prejudice against Ready-Cut houses—due to those that have gone before; such houses having been in many instances not only "misfits" but deceits of the worst kind in both quality of material and standard of construction. Had there been none but guaranteed Ready Cut Harris Homes received, such prejudice would not exist. Therefore, do not confuse or condemn before you have investigated the wonderful and real "dollars in your pocket" advantage of "The Harris Way," as is fully explained in this book. A Harris Home in your locality will permanently repair such prejudice.

It is impossible to please everybody, but it is possible to at least try to please the great majority. With that end in view we have given the Ready Cut or Not Ready Cut question the broadest consideration, and in order not to deprive any prospective customer of a Harris Home, we offer the opportunity of ordering either way.

Sometimes the owner himself builds and orders the house Ready Cut, believing it is the best for him, because, even though he may not be a thorough carpenter, he can build a Harris Home faster and with better results than under any other method, due to the wonderful clear and simple Blue Print Plans, Specifications, Material Lists, and systems of marking and bundling. All the uninteresting hard physical labor has been performed by us with modern machinery and trained men. What is left to be done on the job is the interesting and lighter work—hence greater speed and pleasure in the working.

The carpenter who knows what we have to offer is keen and quick to see the advantage of The Harris Ready Cut System. He knows he can save the owner money, because the house will be built faster and without waste.

Then again there is the customer who lives in a territory where carpenters are very scarce or practically unobtainable. In such localities the Ready Cut home is the answer.

Where houses are built in quantities, five or more at a time, The Harris Way Ready Cut is of untold advantage. The speed with which houses can be erected in quantities is marvelous and the saving in labor cost likewise.

However, every buyer has a right to decide for himself what he wants and how he wants it, and it is our aim to serve him correctly, economically and satisfactorily in either way.

When Ordered NOT Ready Cut

When Harris Homes are ordered Not Ready Cut, material will be shipped in identical grades, quantities and under the same guarantee as our Ready Cut Homes, the only difference being that the material will be shipped in regular standard stock lengths, such that will cut to best advantage with the least possible waste, excepting, however, Window Frames, Door Frames and Inside Door Jambs, Door and Window Trim and housed stair stringers, which will be shipped "knocked down," but manufactured in our shops here ready to put together when you receive them. Doors will be mortised for locks.

Harris Improved Guaranteed
Ready-Cut and Bundling System
"The Harris Way"

"THERE is nothing new under the sun," so the saying goes, but nevertheless many improvements are made over old methods and old systems. "The Harris Way" of building your home is the newest, most economical and best of its kind. We have wonderfully simplified the task of building your home.

35 Bundles or 368 Pieces ! Which would you prefer?

Our wonderful bundling and simplified numbering system means a big saving right from the time you unload and check your material until it actually goes into the house. For instance, take figure 9 on the drawing on the opposite page. The explanation tells you it is Window Framing, which consists of 11 pieces to each opening; a few less for door openings. An average two story house has from 35 to 40 door and window openings which under other Ready Cut systems means you have to check out, handle, sort and hand up to the carpenter on the job about 368 *pieces of lumber as against our* 35 *bundles*. Our bundles are properly marked, showing the size of opening and whether first or second floor.—Think this over. Many other equal labor saving features—read the following pages carefully.

A glance at the drawing on the opposite page, even though you are not familiar with details of lumber and construction, will convince you that "The Harris Way" of building your home has so many advantages that you cannot afford to purchase your home from anyone else, because we furnish better material, better construction and a great saving in the cost of labor. Experience produces the best—that is why we firmly believe our way—"The Harris Way"—is the best. It is based on *nothing but experience and common sense*.

Let us explain the high standard of "The Harris Way" Ready Cut Construction. The drawing on the opposite page shows how and where the material is used. We will start from the foundation.

FIGURE 1—Shows the strong Yellow Pine Posts we furnish to hold up the Girders on which your Joists rest. 6 x 6 sound one-piece timber for posts, makes construction work more simple and economical than the old method of building masonry piers. When comparing our prices with others, be sure this part of your building is included.

FIGURE 2—Shows the Girders "Built Up" of three pieces of 2 x 10 or 2 x 8, depending upon the size of joists in your building. These are to be spiked together, the joints broken so as to form a continuous tie from one end of the building to the other, which is impossible where two or more pieces of solid timber are used. Built up girders are 33⅓% stronger than solid timbers; ask any architect or authority on construction and he will substantiate our statement.

FIGURE 3—This is the "Plate," usually a 2 x 6 plank solidly imbedded in mortar on a cement, brick or stone foundation. Or can be fastened with a bolt about every 8 or 10 feet, meets with practically all building ordinances. If your building ordinance requires a heavier plate, we can furnish it.

FIGURE 4—See how Floor Joists are properly placed 16 inches on centers or 14⅝ inches apart, as is everything else, such as Studding, Rafters, etc., on our standardized building. This insures equal bearing and ease of construction. All Joists, Headers and Trimmers for Stairway openings accurately Ready-Cut, positively eliminating expensive corrections of possible errors when making this opening to take our Ready-Cut Stairway.

FIGURE 5—Box Sills. All First and Second Floor Joists are trimmed with Headers of the same size as the Joists to insure absolute rigidity at the ends of joists; also to give proper support for weight of outside walls.

FIGURE 6—Bridging. This article plays a very important part in strengthening your building. We cut the bevel accurately—all you do is nail them firmly between the joists.

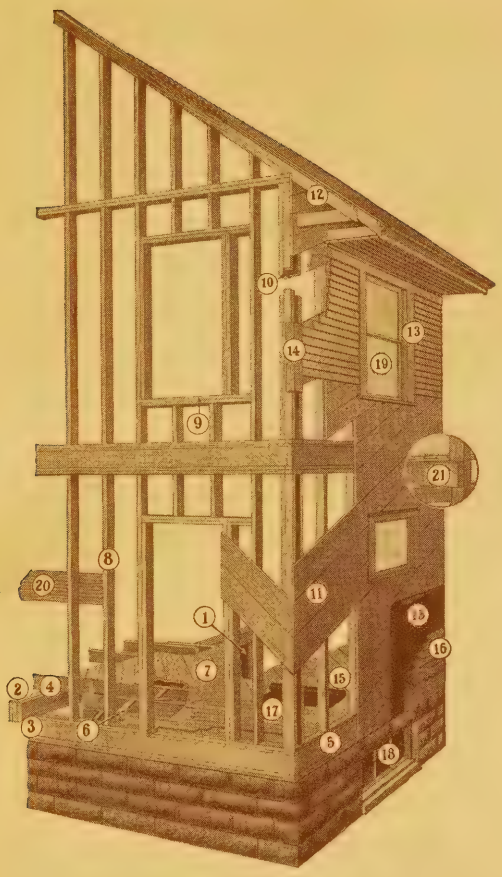


FIGURE 7—Double floors, both first and second floors. If either is not wanted, credit is allowed.

FIGURE 8—Outside Studs and Inside Studs are of the same length—no trouble to sort out.

FIGURE 9—Window Framing. Double Top and Bottom Plates for all window openings. Costs more but makes a better house. **Each opening set bundled and plainly marked.** No hunting for pieces.

FIGURE 10—The Harris Way Corner—much better backing for your Lath—makes a solid substantial corner—prevents ugly plaster cracks. This is positively the highest type of construction, giving solid nailing for sheathing and corner boards.

FIGURE 11—Box Sheathing. Laid diagonally—sufficient quantity furnished. No other method of applying sheathing gives better bracing for the frame of your building. Can be laid horizontally if desired.

FIGURE 12—Roof Construction. No skimping in construction. Rafters spaced 16 inches on centers. Sound roof boards properly spaced, covered with shingles laid 4½ inches to the weather. **Hip, Jack and Valley Rafters marked and bundled in pairs.**

FIGURE 13—1⅛-inch thick Casing for Window Frames—not ⅞-inch. Less than 1⅛-inch thick will not make a satisfactory job.

FIGURE 14—1⅛-inch thick Corner Boards—not ⅞-inch. Watch this important part of the construction; you are entitled to it.

FIGURE 15—Shows Building Paper for between the Sheathing and Siding; also supplied for between sub-floor on both first and second floors. This insures a warm and dry building.

FIGURE 16—Shows Siding, Drip Cap and Water Table. We include material for 3-coat paint work, this gives absolute protection to outside siding and trim. Where we show stucco exterior, Byrkits Patent Sheathing Lath is substituted. This construction is highly recommended by Patent Plaster Mfg. Concerns.

FIGURE 17—Finished Flooring. Oak ⅝ x 2¼ end matched, tongued and grooved throughout.

FIGURE 18—Cellar Sash, Frames and Hardware included. When comparing our price with others, see if this basement material, the cellar stairs and outside cellar door with complete frames and hardware are included.

FIGURE 19—Double strength glass for all windows 24 x 24 or larger.

FIGURE 20—No. 1 Soft Pine Lath.

FIGURE 21—One-Piece Full Length Outside Stud—supplied where specified in plans.

THIRTEEN SALIENT POINTS OF SUPERIORITY:

1—Our Improved Ready-Cut System will be approved by practical carpenter.

2—Simple Blue Print Plans for the owner and carpenter. Uniform scale. Easily understood. (See our FREE Plan offer.)

3—Material furnished more complete. We include for cellar—the stairs, sash, doors, frames, plates and girder posts—others do not.

4—All framing lumber throughout, No. 1 material evenly sized.

5—All framing material spaced 16 inches on centers throughout. Others frequently 24 inches.

6—Triple studding at corners, means superior corner construction, avoiding plaster cracks.

7—Double framing material around all window and door openings—for extra strength.

8—Rough door and window framing material bundled and marked in complete sets for each opening.

9—All jack, hip and valley rafters bundled in pairs and plainly marked.

10—Clear Fir outside finishing lumber and frames. Casings 1⅛ inches thick. No skimping.

11—Three-coat paint and varnish work, inside and outside—instead of two.

12—Dependable service; your complete house shipped in one car at one time.

13—Hardwood floors (Oak) throughout. Absolutely clear interior finish.

Our Free Blue Print Offer

WHAT is the best advertisement we could have? The answer is simple—a satisfied customer—and right here is where we give you your first taste of satisfaction. We recommend, and you should, by all means, first have an opportunity to see the plan of the home you contemplate building—hence our Free Plan Offer.

To send our Blue Print Plans out free and promiscuously, would cheapen them and cheapen your home. They are intended for prospective Harris Home builders only, and surely our Free Plan Offer following is as clean and fair as it can be made. It is as follows:

We will send you a preliminary Blue Print Plan outfit as described below, all postage prepaid, upon receipt of a temporary deposit of $2.00 as evidence of good faith on your part. If you send us the order, we will hand you back the $2.00 you have sent us. Our liberal offer is made because we want YOU to be convinced beyond a question of doubt of the safety of ordering your house from us, and our plan offer is made solely to benefit intending home builders.

Our $2.00 Preliminary Blue Print Outfit Consists of the Following Drawn to a Scale of $\frac{1}{4}$ Inch to the Foot

1. First Floor Plan
2. Second Floor Plan
3. Front Elevation
4. Trim Details
5. Specifications
6. Descriptive Material List
7. Labor Survey to help you ascertain the cost of the home chosen erected complete ready for occupancy

---

After making you the above Free Plan Offer, which alone is much more than other concerns are willing to let you have before you send in your order, we make you an additional incomparable Free Plan Offer; taking you a tremendous step further—a step that has never been attempted by anyone—we propose to furnish you the complete Simplified "Guaranteed Ready Cut" Blue Print Plans, explaining everything and showing you so clearly, step by step, what real Ready Cutting means—from these plans you yourself can tell at a glance how easy and simple it will be to build your home quick and correctly. Construction points of excellence are at once made clear to you, and it will be an easy matter for you to follow the specifications; be your own superintendent, heretofore practically impossible, except by men specially trained for this purpose.

Our Wonderful Free "Guaranteed Ready Cut" Plan Offer

You must first of all take advantage of our $2.00 Plan Offer, per above. With our $2.00 Blue Print Outfit in your possession, you will be able to determine whether or not the house suits you; whether the price comes within your means, and if such is the case, you will, of course, proceed with your building.

Assuming then that you are satisfied with the plan of the House and the price, the next step would be to order your material; but, before doing this, you may wish to investigate the Improved Ready Cut System to find out for yourself whether it is really as good as we say it is. Thus, in order to enable you to do this and satisfy yourself of the wonderful advantages of this system, we offer you the following:

For $50.00 and upwards (depending upon which Harris Home you select) sent us as an initial deposit on your order, we will forward you the complete Ready Cut Blue Print Plans and Descriptive Material List, covering all material for the house, as described on the specification pages following. These Plans cost us from $250.00 to $500.00 each to produce in their present state of perfection—and we ask but a small temporary deposit, assuring us that you mean business—we hand you back the deposit by crediting you the entire amount on your order.

Following are the Detailed Improved Ready Cut Plans furnished under our Free Offer, shown on opposite page:

1. **Basement Plan.**
2. **First Floor and Porch Joist Plan.**
3. **First Floor Room Plan.**
4. **Second Floor Joist and Porch Ceiling Joist Plan.**
5. **Second Floor Room Plan.**
6. **Front Elevation.**
7. **Front Elevation Framing.**
8. **Right Side Elevation.**
9. **Right Side Framing.**
10. **Rear Elevation.**
11. **Rear Elevation Framing.**
12. **Left Side Elevation.**
13. **Left Side Elevation Framing.**
14. **Second Floor Ceiling Joist Plan.**
15. **Rafter and Roof Plan.**
16. **Longitudinal Section—showing house sawed in two—so to speak.**
17. **Stair Details.**
18. **Trim Details.**
19. **Specifications.**
20. **Descriptive List of Material.**

Real Helpful Blue Prints Under the foregoing extraordinary Free Plan offers, you can secure, *before you purchase*, not after, all the assistance you need for the proper and economical construction of your building. Our Blue Print Plans are the result of many years of experience. They have been planned, studied and estimated by men who have been on the job for years and who know what they are about.

Material List Our material list is complete in describing fully the items needed and the purpose for which they are to be used. With the aid of this list, our Catalogue, the Blue Print Plan outfit, the whole plan of building will at once become easily understood and clear. Think of the value of having in your possession a list describing every door, window, every piece of lumber, moulding, millwork, etc., etc., and all the hardware down to the last nail. Do you realize that to be in possession of a list of this kind is worth many hundreds of dollars to you on the cost of your building?

Positive Accuracy Because of our strict guaranty you can readily understand how important it is to us that our material lists be positively accurate, our plans correct in every detail and that sufficient material is furnished in every instance. Thousands of home builders are saying good words for us and the already large list of satisfied Harris Home Owners continues to grow.

Delivered Prices Without any obligation on your part, we will gladly name you DELIVERED prices to your station; safe delivery of every item guaranteed and everything to be shipped free of all freight charges. You will then know what the material will cost you to the penny.

Reversed Plans We will furnish Reversed Plans for any of the Harris Homes shown in this book. A Reversed Plan means that the rooms will be just opposite from the way they now appear. If Reversed Plans are desired, it will be necessary for you to get two sets of plans, one as illustrated in this book and one reversed. An additional charge of $2.00 is made for Reversed Plans.

Regarding Changes Write us, tell us what change you think is necessary to better suit your requirements, we will gladly arrange to take care of same whenever possible.

Service and Special Plans to Order

The same experienced expert designers who produced the Harris Homes in this book are at your service—FREE—if you purchase your home from us. Write and tell us what you want, either before or at the time you take advantage of any of the following offers:

Offer No. 23-B-1—For $5.00 and upwards we will quote from your rough sketches a price on Materials according to Harris Home Material specifications delivered to your station in guaranteed quantities to construct the building. If you take advantage of either of the following offers, the amount you have paid will be credited on same.

Offer No. 23-B-2—For $10.00 and upwards, we will take your own pencil sketches and make correct pencil plans and name you a guaranteed delivered price, for material according to Harris Home Material specifications not ready cut. If you order final Blue Prints or material, the amount you have paid will be credited on same.

Offer No. 23-B-3—For $25.00 and upwards, we will furnish Blue Print Outfit of your own home, equal in every way to Blue Prints furnished for Harris Homes. This offer does not, however, include Ready Cut Blue Print Plans. Such plans will be furnished when houses are ordered in quantities, sufficiently large to warrant.

General Specifications of the Material We Furnish for Harris Homes Beautiful

While the specifications below are our standard, there is no hard and fast rule why you cannot add, omit or change material wherever your own ideas make it preferable to do so. All our Harris Homes, however, are designed to be built along the standard of these excellent specifications.

TO ENABLE you to realize the wonderful completeness of our Harris Homes, we furnish for your convenience, the following brief general specifications of the material furnished. However, *with* each set of Plans of the Harris Home you select, a descriptive material list, showing exactly every item that enters into the construction of your home is furnished.

In every paragraph of the following specification you will note that great care has been taken in planning for strength and long life in the construction of your home.

You get this information *before you buy;* so there is no possible chance for you to be deceived. You can check up to the very last nail what goes into your house, as our catalog numbers are given on the material list, and there is nothing left to *imagination or guess work.* This method is far superior and safer for you than a lengthy book specification without proper material catalog to check up with.

1 **Ready-Cut Framing Material** All Framing Material is furnished "Cut-to-Fit" or "Ready-Cut," which means the same guaranteed in correct sizes and dimensions, in accordance with accepted standards of first-class building construction throughout, as follows: The pieces are framed, notched or bevelled to the correct sizes, ready to be nailed in place without any cutting by the carpenter; every piece marked; construction standardized by spacing all members, such as Studs, Joists, Rafters, 16 inches from center to center, and therefore always 14⅜ inches apart. This is most important—satisfy yourself what others have to offer before buying. Cut-to-fit Girders furnished ready to nail together.

2 **Ready-Cut First Floor Joists** We furnish correct size required for your building, either 2 x 10 or 2 x 8 or 2 x 6 No. 1 grade Yellow Pine, surfaced and edged. Spaced 16 inches on centers.

3 **Ready-Cut Box Sills for First and Second Floor** To correspond with size or Floor Joists, No. 1 grade Yellow Pine, surfaced and edged.

4 **Ready-Cut Second Floor Joists** Of correct size required either 2 x 10 or 2 x 8 or 2 x 6 No. 1 grade Yellow Pine, surfaced and edged. Spaced 16 inches on centers.

5 **Ready-Cut Attic Floor Joists** 2 x 6, 16 inches on centers No. 1 grade Yellow Pine, surfaced and edged.

6 **Ready-Cut Ceiling Joists** 2 x 4 or 2 x 6, as may be required, 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged.

7 **Ready-Cut Porch Floor Joists** 2 x 6 or 2 x 8, depending upon size of porch, spaced 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged.

8 **Ready-Cut Porch Beam** 2 x 6, 2 x 8, 2 x 10 or 2 x 12, doubled, tripled, or trussed as may be required No. 1 grade Yellow Pine, surfaced and edged.

9 **Ready-Cut Porch Rafters** 2 x 4 or 2 x 6, as may be required, spaced 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged. Jacks and Hips marked and bundled in pairs.

10 **Ready-Cut Porch Bulkhead Studs** 2 x 4 spaced 16 inches on centers, in No. 1 grade Yellow Pine.

11 **Ready-Cut Outside and Inside Studs** 2 x 4 spaced 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged (standardized); no time wasted to find a certain piece or certain number. All Inside and Outside Studs are of the same length, as are also the "Cripples" above or below the window and door openings. See details in illustration, shown on preceding pages. This applies to double stud outside wall construction, as shown in illustration.

12 Ready-Cut Roof Rafters 2 x 4 or 2 x 6, spaced 16 inches on centers, No. 1 grade Yellow Pine, surfaced and edged. All notches, bevels and plumb cuts, are accurately cut-to-fit by us. **Jack, Hip and Valley rafters come to you bundled in pairs.**

13 Ready-Cut Headers, Cripples and Door and Window Studs For window and door openings, inside and outside walls and partitions; furnished of correct size and dimension to match balance of construction in No. 1 grade Yellow Pine, surfaced and edged stock. *Headers doubled above and below* openings with studs to double up at side of openings. This insures extra strength and solid nailing for outside and inside door and window trim; prevents sagging and bulging of framing. **Each opening set bundled and size plainly marked, instead of 11 pieces to hunt for you have just 1 handy bundle.**

14 Ready-Cut Stair Headers and Trimmers For Stair Openings, furnished in dimension stock to match size of joists, No. 1 grade Yellow Pine. Doubled at all openings to insure extra strength.

15 Ready-Cut Stair Landing Joists and Headers Bundled and marked and of No. 1 grade Yellow Pine, surfaced and edged.

16 Ready-Cut Stair Horses 2 x 10 or 2 x 12, No. 1 grade Yellow Pine, as may be required furnished for Cellar, Grade, Main Stairs, Attic Stairs, Front and Rear Steps with rise and run accurately cut.

17 Ready-Cut Double Cross Bridging In No. 1 grade Yellow Pine, one row double cross bridging every eight feet.

The following items are not furnished "Cut-to-Fit," for reasons that a better job and at a saving, not only in first cost, but also in labor, can be made by doing the little cutting that is necessary right on the premises:

18 Wall Plates, Girder Posts, Partitions and Outside Wall Plates These items require little or no cutting and demand such an accurate fit, in order to make a correct job, that it is better and more economical to fit them on the premises. Wall plate or bond timber 2 x 6 insure even surface for joist. Girder 6 x 8. Floor plates 2 x 4 single. Inside partition and outside stud top plates always double and of course furnished in No. 1 Yellow Pine.

19 Sub-Flooring, First and Second Floors Square edge and sound inch Yellow Pine Lumber, surfaced to standard size and even thickness, furnished for both **first and second floor,** to be laid diagonally or square. An item like this can be cut and fitted on the job in less time than to hunt a marked piece and locate the place to put it, and you do not pay for labor twice.

20 Roof Boards Inch lumber, square edge and sound surfaced to standard thickness, 1 x 4 No. 2 grade Yellow Pine. Correctly spaced to prevent shingle rot.

21 Wall or Box Sheathing Square edge and sound inch Yellow Pine Lumber, surfaced to standard size and even thickness, to be laid diagonally or square. Shiplap can be furnished if desired.

22 Attic Flooring For all designs having stairway to attic. 1 x 6 tongued and grooved, Yellow Pine Flooring (No. 2 grade) is furnished to cover space as shown on plans.

23 Finish Flooring Oak Oak, 13/16 x 2¼ inch face "C and Better" grade for all rooms throughout. Maple can be furnished when desired. Note this when comparing prices, others usually specify Yellow Pine or Fir.

24 Shingles To be Washington Red Cedar Shingles, Best Quality 5/2 Clears. The quantity we furnish is sufficient to lay the shingles exposed 4½ inches to the weather.

25 Siding We furnish CLEAR and FREE from KNOTS siding of best woods; as may be specified in our Bill of Material, generally giving the customer three kinds to choose from.

26 Lath For the Lath we furnish No. 1 Quality Soft Pine Lath. Half of each, 48 and 32 inch.

27 Grounds 1 x 1 surfaced No. 1 Yellow Pine or Fir.

28 Porch Material Columns, Newels, Rails and Balusters and all porch material is furnished in CLEAR, SOFT OREGON FIR STOCK, which makes the best possible finish for the purpose. Columns and newels of the proper lengths furnished ready to set in place. Rail and Balusters furnished in correct lengths to be cut and fitted on the premises to make a satisfactory job. For porch flooring we furnish Clear Quarter Sawed Fir or Clear Flat Sawed Fir Flooring, as Material List may specify, all in full length.

29 Exterior Finish We furnish all corner boards, water table base, verge boards, brackets, frieze, belts, flower boxes, mouldings where shown in plans. CLEAR, SOFT OREGON FIR or CYPRESS STOCK. Porch ceiling and cornice soffits in 5/8-inch thickness, matched and beaded stock suitable for oil finish. Step treads and risers shown on Blue Print included—when ordering, be sure to tell us if you need more steps than shown. This part of your building material should be cut and fitted on the job; in order to insure a perfect fit and to prevent water from getting into and under open joints, causing quick-rot and rapid decay. A perfect fit would be impossible were the material cut to fit anywhere else, should the house accidentally be built slightly out of true—and where is there a house that isn't? Think this over carefully.

30 Ready-Cut Outside Door and Window Frames We furnish all Outside Door and Window Frames of CLEAR, SOFT OREGON FIR, 1¼ x 4¼ inches OUTSIDE CASINGS all shipped in the knocked down ready to nail together, carefully marked and bundled; one frame is shipped already "set up"—makes work easy on balance.

31 Window Sash Windows and sash furnished with glass in place. All windows furnished bored and grooved, ready to receive sash cord. All windows are **1⅜ inches thick, check rail** and glazed as specified. Sash stock is STRICTLY CLEAR SOFT PINE.

32 Ready-Cut Inside Door Jambs Furnished with proper head piece—jambs being grooved (dadoed) ready to receive head piece, all clearly marked and bundled. All clear lumber.

33 Ready-Cut Stairway Main stairway Ready Cut material, consisting of stringers housed, ready to receive the treads and risers. Treads and risers are clear, beautifully grained lumber. Angle newels, rails, balusters, etc., all finished and sanded. Carefully packed, marked and bundled. Cellar and Attic stair treads and risers cut to right length in No. 1 Yellow Pine. Rough stair horses are furnished ready cut for correct run of tread and risers for all stairs.

34 Doors Mortised All doors mortised to receive locks. A big saving. All inside doors **clear "A" quality, 1⅜ inches thick,** sizes and styles marked on plans and specified in the List of Material. The outside front door to be glazed and of **1¾ inch thickness.**

35 Ready-Cut Interior Trim All material for this work to be CLEAR, FREE from KNOTS, SAP or STAIN, Georgia Pine (unless Oak or other woods are specified), including all door and window trim, baseboard, carpet strips, base blocks, chair rail, hook strip, picture moulding, etc. All materials to be entirely suitable for natural wood finish, or any of the many beautiful stain effects now so deservedly popular. Detailed full size on sheet with Blue Print Plans. All Ready-Cut, except Base Board, Picture Moulding and Chair Rail, which must be cut when set in place to make a good job.

36 Building Paper We furnish sufficient building paper to cover the entire outside walls of the building, and for **between floors on both first and second floors.** This paper is a standard good quality as used in best construction work. Tarred felt for walls, red rosine for floors.

37 Hardware and Nails Solid bronze night latch front door lock furnished. Mortise door locks for all doors all of appropriate design; all butts, sash lifts and fasteners to match. Antique Copper or Lemon brass finish nickel-plated hardware for bath room. We also furnish the necessary sash weights, cords, ball bearing window pulleys, base knobs, coat and hat hooks, common, coated, galvanized and finishing nails, etc., for the completion of the job. No advertising appears on door knobs or other material.

38 Galvanized Iron Under this branch of building work we furnish all the necessary down spouting, guttering, in slip joints requiring no soldering with necessary fittings, flashings, tin shingles, etc., and all in the best galvanized iron.

39 Three Coats Paint We furnish Harris guaranteed quality painting materials for all our houses, three coat work. Consisting of priming coat and two coats best quality Lead and Oil Prepared Paint for exterior, body, trim and porches. Paste wood filler and two coats guaranteed varnish for floors. One coat oil and acid stain, one coat shellac, one coat spar varnish for interior trim and doors. Two coats flat white paint and one coat high gloss white enamel for woodwork in bathroom. Mineral paint for sheet metal. Pure boiled linseed oil, turpentine, benzine and alcohol for thinning. Assorted colors in oil, sand paper and steel wool. Creosote Shingle Stain furnished for dipping wall shingles when shown in illustration. No roof paint or stain.

40 Harris Byrkits Sheating Lath When furnished is to be applied directly to the studding over heavy tar felt on all houses showing plaster exterior. Made from inch lumber tongued and grooved, keyed out to form tight grip on stucco plaster, reinforced with No. 9 gauge galvanized wire and staples and expanded metal lath at corners. When using Byrkits lath, this reinforcing, is demanded by plaster manufacturers when guaranteeing their product. The use of Byrkits lath is endorsed by many of the largest Patent Stucco manufacturers when guaranteeing their stucco, provided it is re-inforced as specified above.

41 Blinds and benches are shown for decorative effect only and are not included in our price. Prices, if wanted, quoted on request.

42 Ceiling Heights First story 9 feet in the clear, second 8 feet 6 inches in the clear is our standard throughout, with but very few exceptions where it has been found necessary to deviate.

43 Recapitulation The above will give you a general idea of the high class of material we furnish. We do not include masonry material of any kind except the lath—and will furnish—

Special Quotations on

Plumbing	Shades
Heating	Cabinet Work
Electric Fixtures	Electric wiring
Screens	Plasterboard
Storm Sash	Magnesite outside Wall plaster

See Building Material Section in this Catalog

For illustrations of beautiful Interior trim, Doors, Windows, Hardware, etc. etc., see millwork pages of this catalog.

Important—Shipments From Chicago

Quick motor truck delivery to building site in Chicago and Vicinity

When you order your Harris Home it will be loaded right here in Chicago where you may come and personally inspect the loading. We have our own Lumber Yard and Planing Mill, Millwork Warehouse and Factory, Hardware, Paint, Plumbing and Heating Departments as well as other departments handling material generally going into a house.

Do you realize what this means to you in the way of saving in freight and handling charges at your end of the line, as against having your lumber come from one point, Millwork from another, Hardware from another, and Paint from still another,—each with their extra hauling, handling, and freights to be paid as well as accompanying delays—and on top of it get the material you need FIRST last, or vice-versa? When you buy a Harris Home this is avoided.

Chicago enjoys low freight rates and exceptional railway facilities.

Insist upon knowing where your material comes from and how many shipments before you place your order anywhere else.

Also shipments from our Eastern Headquarters Branch—Cresskill, N. J.

Quick motor truck delivery can be made to building site in New York City and vicinity. Freight shipments to New Jersey, Eastern New York, and New England States can now be made from our Eastern Headquarters Branch at Cresskill, New Jersey,—just across Hudson River from New York City.

Harris Home No. B-1000

The Size
28 ft. x 41 ft. 4 in.

5 Rooms and Bath

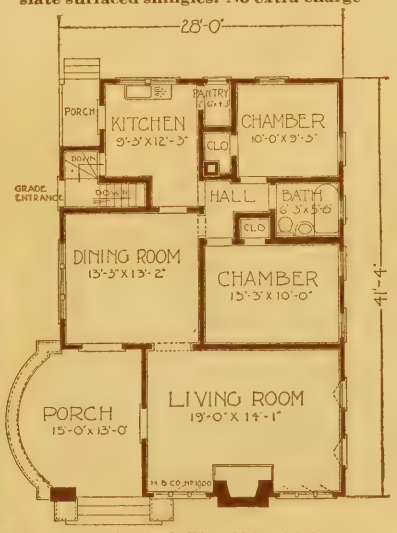
PRICE
$2020

HERE is a model bungalow of the charming California type. Viewed from any direction a passing glance is invariably turned to a look of prolonged admiration. With its wide overhanging eaves, supported by heavy decorative brackets, the unique treatment of the side porch with its exposed rafters, this bungalow is graceful in structural lines, picturesque and substantial in appearance. Many types of the California bungalow are not practical in climates where the winters are severe. In developing this design our architects have exercised utmost care to combine fascinating features of a true California bungalow with a convenient, comfortable interior and properly constructed for any locality.

Furnished with tight roof boards and slate surfaced shingles. No extra charge

Just off the veranda, a large living room occupies the entire front—it is flooded with light from front and side by well placed casement sash. A cheery fireplace adds both beauty and hospitality. A wide cased opening leads to the dining room. Here we have a large well lighted room with a pair of French doors opening on the veranda and swinging doors leading direct to the kitchen with the pantry conveniently located.

AS ERECTED AT HARRISBURG, PA.



FLOOR PLAN

Harris Home No. B-1001A

The Size
26 ft. 6 in. x 36 ft.
Inclusive of Bay

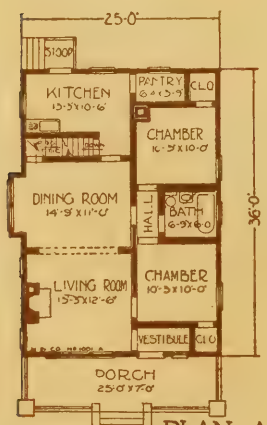
5 Rooms
Attic and Bath

PRICE
$1917

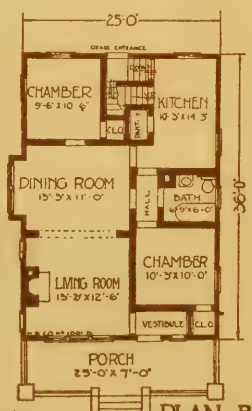
Two Floor Plans to Choose From

THERE is a wealth of character to this attractive Bungalow, both in appearance and arrangement of the floor plan. Here we offer two different arrangements. Select the one that suits your particular needs. There is plenty of room in the attic for two extra rooms which you can add later on, if wanted. Heavy attic floor joists and attic flooring have been provided for and are included in given price without extra charge.

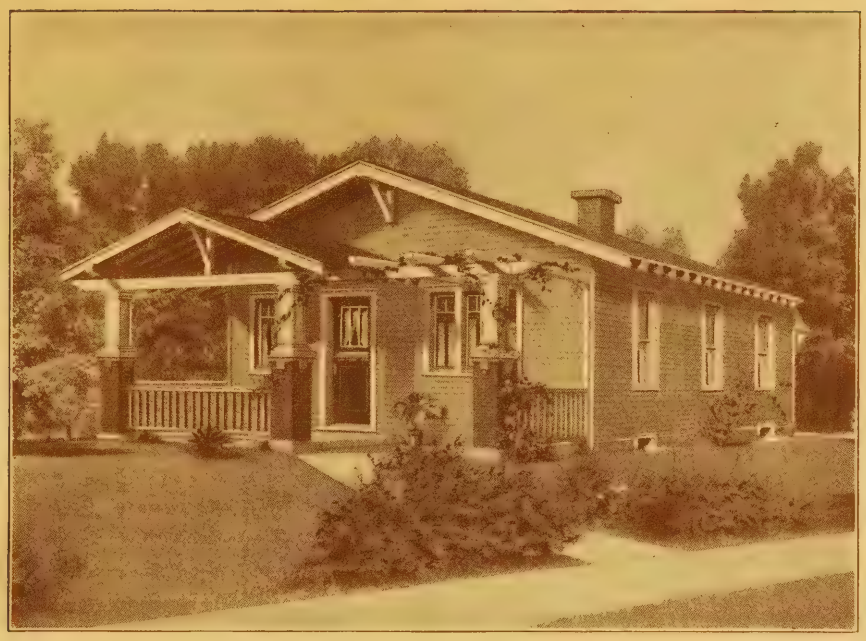
Any Harris Home can be reversed or furnished in all bevel siding or a combination of siding and wall shingles without extra charge. Finished room sizes given in plans.



PLAN A
FLOOR PLAN



PLAN B
FLOOR PLAN



Harris Home No. B-1002

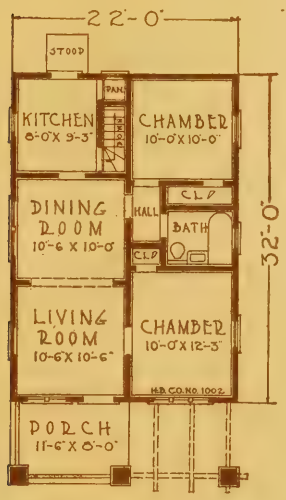
The Size
22 ft. x 32 ft.

5 Rooms
and Bath

PRICE
$1350

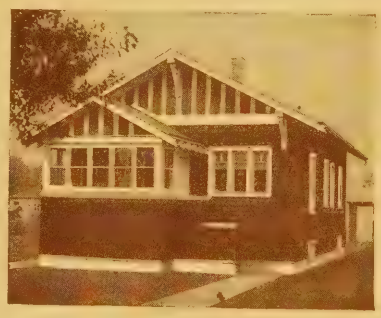
THE demand for homes of the bungalow type with good-looking exteriors and well planned room arrangements at a reasonable price is completely fulfilled in this design. Many architects, in their zeal to originate distinctive bungalow designs, lose sight of these important points.

This Harris Home reveals an exceptionally compact, attractive bungalow for the small family, very attractive and yet very easily built. There is a wealth of good taste displayed in the outward appearance. Ample covered porch space, a well placed entrance and neat window arrangements with the ever popular pergola effect across the front to balance the design. The massive square columns furnished for the porch and pergola are intended to be supported by brick piers.



FLOOR PLAN

You would hardly recognize it but this is Home 1002 with porch enclosed—You can do the same.



This is an ideal bungalow from every standpoint and is easily built with great economy.

Harris Home No. B-1003C

Furnished in 3 Sizes

The Size
22 ft. x 26 ft.

4 Rooms
Bath or Pantry

PRICE
$1014

THERE is probably no better specimen of small bungalow offered. Study the picture carefully. Note the strict harmony even in the smallest details. Here is a case where exterior plainness, perfectly handled, has resulted in a striking economical exterior. Note the broad roof with its wide overhanging eaves properly supported by decorative brackets—the tasty porch.

A glance at the floor plan shows the living rooms properly placed on one side and the bedrooms on the other, with the bathroom at the rear. A handsome arts and crafts front door leads to a spacious apartment intended for the living room and dining room; doors lead to two good sized bedrooms at the side and the large kitchen at the rear. The same high grade material is furnished for this home as specified for all of the larger, more pretentious, Harris Homes—Improved Ready Cut "The Harris Way," for great economy, and time saving.

Refer to our price list for cost of this House in size 20x26 and 18x26. This Home is designed to be built without basement but if one is wanted, we will be pleased to ship necessary basement girder posts, door and window frames and sash for a small additional charge. This Home, although small, is furnished in the same high quality and good construction as the more expensive Harris Homes and we include sheet metal, guttering and spouting, three-coat paint and varnish job and if outside walls are wanted in shingle and siding combination, creosote shingle stain will be furnished for dipping. Any Harris Home can be reversed.

FLOOR PLAN

Harris Home No. B-1004

The Size
22 ft. x 36 ft.

5 Rooms
and Bath

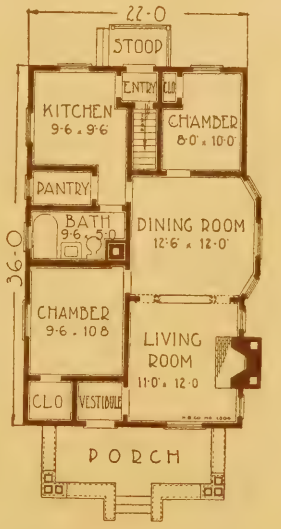
PRICE
$1542

THERE are so many good features in this striking Bungalow, we scarcely know where to begin our description. Its trim, well balanced appearance will command attention in the finest locality. The arrangement of rooms, substantial construction and select material furnished will undergo the most rigid inspection with no possible criticism. The ease and economy of building this design with material Guaranteed Ready Cut "The Harris Way" completes in this Harris Home an offer unusual and attractive in every detail.

Probably the most pleasing characteristic of the exterior is the front porch. The stone rails and splendid arrangement of columns is certainly effective. The front door and detail of the windows match perfectly in a straight line style. A neat effect is gained in extending the main roof down over the window; this does away with the customary extra bay window roof—better construction, more attractive and economical.

The room arrangement is excellent. There is a wide cased opening connecting the living room and dining room. There are two large bedrooms with good sized closets. The kitchen is placed in the rear of the house with an entry or vestibule, which is so desirable for protecting the kitchen in stormy weather. Note the stairway to cellar conveniently located off entry. The bathroom is privately located, yet convenient to all rooms.

The interior trim is beautiful, yet inexpensive. Our Free Blue Print Offer, as explained in the preceding pages of this book, gives complete details of the interior trim, specifications, descriptive list of material, etc., etc.



FLOOR PLAN

Harris Home No. B-1005

The Size
24 ft. x 32 ft.

5 Rooms
Bath and Pantry

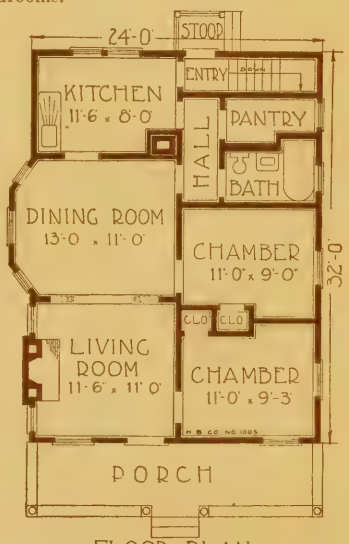
PRICE
$1645

A NEW and popular Harris home because of its impressive exterior and size. It is a typical bungalow in the fullest sense of the word with its wide projecting eaves and half-enclosed porch, extending across the entire front. For convenience in lay-out, economy in cost of construction, and cost of material it has no equal. All modern conveniences and all on one floor, consisting of living room or parlor, dining room, kitchen and two good sized bedrooms.

The kitchen is directly off the dining room, saving the thrifty housewife a good many steps. The largest of the two chimneys as shown in the picture is in the living room, specially designed for a modern fireplace, and the small chimney is in the dining room corner directly adjoining the kitchen, so that the matter of stove heating is taken care of properly and very conveniently.

Another feature not usually found in bungalows of this size is a convenient stairway to the basement. The steps are located directly off the back entry, giving entrance to cellar from both outside and inside—a real convenience. The bay window arrangement in dining room and the large window in the living room, the windows in the bedrooms and the two separate windows in the kitchen afford a flood of light over the entire house.

Not a single thing has been overlooked. The material has been carefully selected and is furnished "The Harris Way" for utmost economy. To those requiring extra room, this can easily be arranged for by finishing off a couple of rooms in the attic.



FLOOR PLAN

Harris Home No. B-1006-B

Size 30 ft. x 29 ft. 6 in. Including Addition — **5 Rooms and Bath**

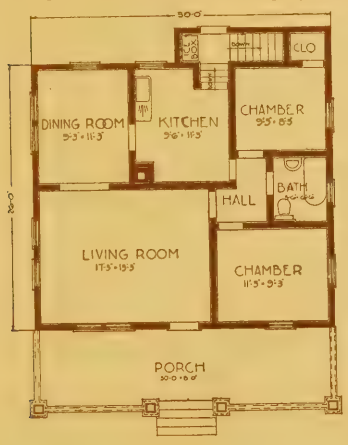
PRICE $1724

THIS is also a new design that is offered at an exceptionally low price, due directly to modern machinery, standardization of material, great volume production and the elimination of all waste.

At a glance one can see how the well balanced exterior harmonizes in every respect with the spacious front porch, and studying the floor plans it is easy to tell that the architect has given considerable study to housewife's convenience. Housekeeping will be a real joy in this remarkably well planned home.

Here we also offer two floor plans, "A" and "B." Note how in each plan every square inch of floor space is utilized to best advantage—the Living Room is large and well lighted, having four good sized windows and large glazed front door. From the Living Room a door gives access to a hall connecting the two bedrooms. Between these a convenient bathroom — note also door connecting kitchen with this hall. This is a feature that is well liked in this home for it saves many unnecessary steps. The kitchen opens up on a stairway which leads to the grade entrance and to the basement. The icebox can conveniently be placed on the grade landing as shown.

Finished room sizes given.



FLOOR PLAN A

FLOOR PLAN B

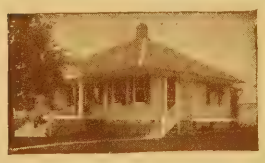
Harris Home No. B-1007

Size 40 ft. x 26 ft. Inclusive of Bay — **6 Rooms and Bath**

PRICE $1892

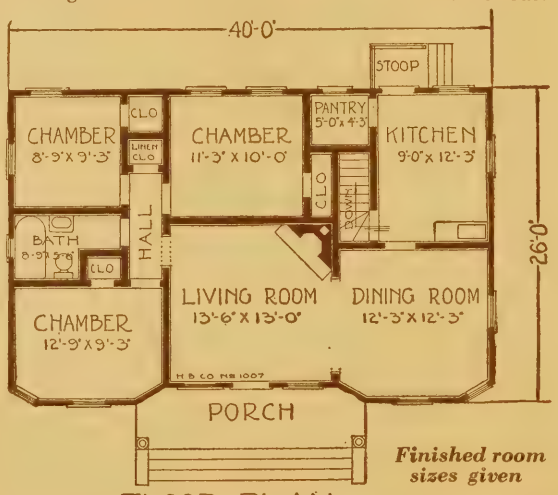
THIS modern bungalow was selected as the best example to properly represent the many advantages of "The Harris Way" home-building system. During the Iowa Fair at Des Moines and other big expositions, thousands viewed this simple, dignified bungalow.

It has been built so many times that it seems a waste of space to dwell on the many desirable features and the economy with which it can be finished. Considered from a standpoint of construction, the plans clearly show simplicity and common sense—all the merits of economy of a square house—no freakish projections. The interior, as indicated by the floor plan, is arranged for all that is best in convenience to the housewife and comfort to the family. Such a design as this is splendidly adapted to a variety of pleasing arrangements.



It will especially recommend itself to people of good taste and moderate means, as an ideal home—will find a ready tenant or sale.

Additional bed rooms and storage space can be had in the large attic space by placing an attic stair over the present basement stairway.



Finished room sizes given

FLOOR PLAN

Harris Home No. B-1009

The Size
20 ft. x 28 ft.

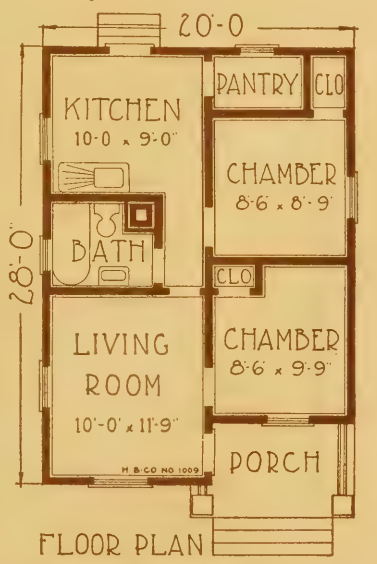
4 Rooms
Bath and Pantry

PRICE
$1081

THIS neat, trim bungalow, as pictured here, shows how very attractive a really small home can be. It is a splendid model of good arrangement and convenience with utmost in economy—material guaranteed Ready Cut "The Harris Way." Designed along low broad lines, with its well planned porch, the exterior is very pleasing. Note the massive porch columns and exposed rafter ends—the well placed roof dormer.

A well planned interior is quickly noted. From the porch, entry is made into the living room, well lighted by the attractive leaded front window and the window at the side. From this room you are impressed with the splendid arrangement of the rooms—the living rooms on one side and the two bedrooms on the other, with the bathroom centrally located for convenience to all rooms. Common sense features are found everywhere in the construction. This home has been highly satisfactory to all who have built it. Let us send you the complete scale plans and full details. Learn the many advantages of "The Harris Way" home building system, and our Free Plan Offer as is fully described in the introductory pages of this book. Also do not fail to note the handsome millwork, doors and windows we furnish for Harris Homes, also plumbing and heating illustrated and described in the back pages.

This Harris Home will prove an agreeable surprise to you when built on account of its low cost, comfortable interior and attractive and substantial outside appearance.



FLOOR PLAN

Harris Home No. B-1017

Size 25 ft. 6 in. x 36 ft. Inclusive of Bay — **5 Rooms and Bath**

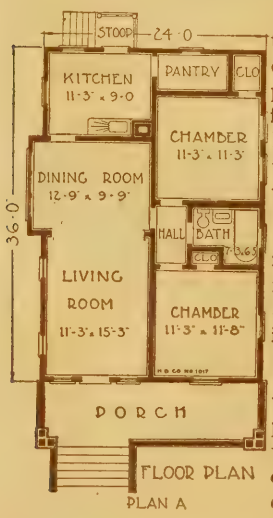
PRICE $1594

JUST the dandiest size rooms ever planned. Nothing cramped or skimpy about them. This Harris Home is truly a bungalow that will make the heart glad. Unusually attractive, solid, substantial and comfortable appearance from the outside and the same carried on right through on the inside.

The outside walls of this home are designed to be stucco plastered; you have heard what wonderful success builders are having with the patent magnesite plasters offered at reasonable prices today. It is a fact that you can get patent stuccos in every possible color. Remember, we furnish building paper and Byrkits Patent Sheathing Lath to which stucco plasters adhere wonderfully and does not crack

The living and dining rooms have an exceptionally roomy appearance. The handsome spread of windows in dining room give a flood of light.

This home also furnished with box sheathing, building paper, bevel siding, painting material for three-coat job, instead of Byrkits Lath for an additional charge.



Harris Home No. B-1018

The Size
24 ft. x 32 ft.

5 Rooms
and Bath

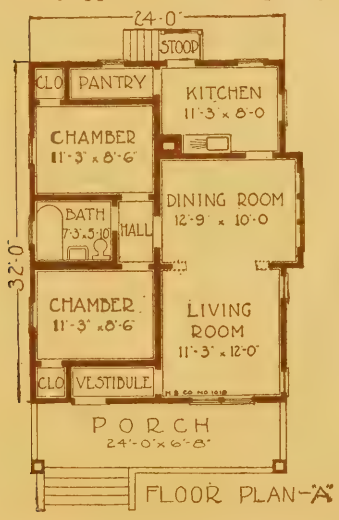
PRICE
$1635

HERE is a charming California bungalow with all the conveniences you could wish for. There is nothing lacking in exterior elegance or interior comfort and room arrangement. The broad, spacious porch, covered by the main house roof with its strong supporting brackets and the divided-light window in the gable place this building in a class far beyond the ordinary type.

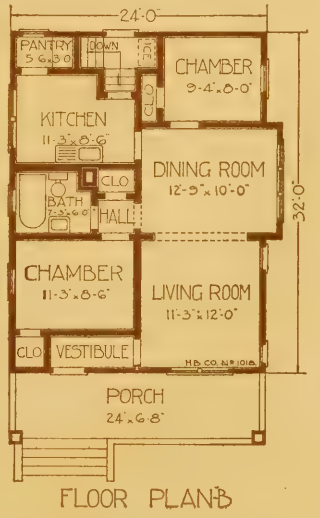
The living and dining rooms are separated by a wide cased opening. This gives a roomy appearance. The opening can be made smaller if owner desires, without extra expense, or if a book case colonnade, French doors or sliding doors are wanted, they will be furnished for whatever the material is worth.

You have two stock floor plans arrangements to select from; surely more convenient plans would be hard to find.

The exterior is of bevel siding and cedar shingle combination. You can have all shingles or all siding without extra charge. Note in our specifications that with wall shingles, we furnish creosote stain for dipping and not a brush coat.



FLOOR PLAN—"A"



FLOOR PLAN—"B"

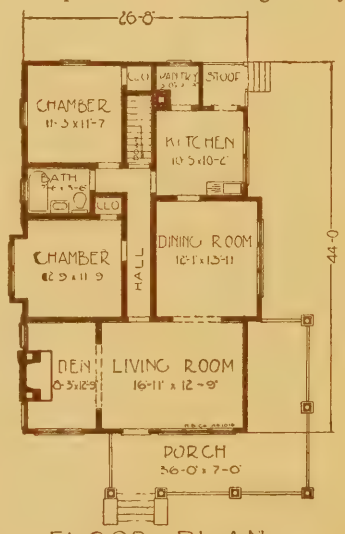
Harris Home No. B-1019

Size 29 ft. 10 in. x 44 ft. Inclusive of Bays — **6 Rooms and Bath**

PRICE $2199

A BUNGALOW where beauty, comfort, convenience and economy are combined to best advantage.

This certainly is a beautiful home. The roof over the main part slopes gradually down and continuing on gracefully forms the covering of the porch. The cornice is of the style known as rafter finish, the exposed rafters making a very pretty effect. The regular weather-boarding is used for the outside and Washington cedar shingles for the roof. Paints and stains furnished will aid to further beautify this home. The six columns of the front porch are of large diameter and are set on piers. All of the windows have upper sash, with divided lights—a recognized feature of many artistic residences. The outside chimney is another feature.



FLOOR PLAN

The wide living room with windows halfway across, the charming little den with its fireplace, its inglenook and casement windows. A beautiful design, you say! Yes, and a home, too. Who wouldn't enjoy just such a home?

The dining room is large and well lighted, a swinging door connects with the kitchen. One noticeable feature is the entire absence of dark corners—you can literally flood the rooms with light. If you put in a furnace or heating plant the fireplace will not really be needed except to radiate good cheer. See preceding pages for FREE Blue Print Plan Offer!

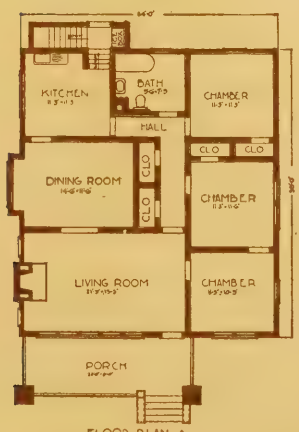
Harris Home No. B-1020

The Size
34 ft. x 38 ft.

6 Rooms
and Bath

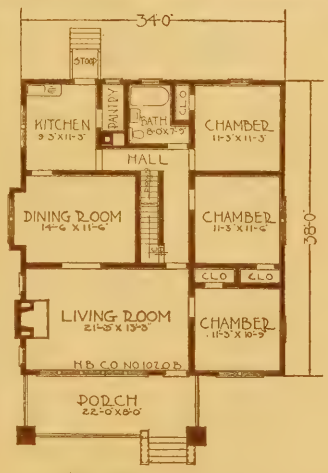
PRICE
$2322

THIS new, modern, and up-to-date bungalow will, we feel certain, meet with approval of our many customers and prospective home builders. Our architects have achieved a real wonder in designing this evenly balanced home, and only the Improved Ready-Cut and Bundling System makes possible the low price at which this bungalow can be purchased. We hardly need mention the wonderfully pleasing appearance of the large and comfortable porch, and generous window arrangement.



FLOOR PLAN A

This home can easily be erected on a forty-foot lot, or, if a driveway is wanted on side, fifty feet would be better. Two floor plans are offered. Plan "A" is recommended where the attic will not be used. Plan "B" shows attic stairway with entrance to cellar from inside directly underneath. Price quoted on Plan "B" includes: heavy attic floor beams, attic flooring, attic stairway, and we will be pleased to show you how two large attic bedrooms can be finished off at a small extra cost.



FLOOR PLAN B

Harris Home No. B-1021

Size 25 ft. 6 in. x 33 ft. 4 in. Inclusive of Bay — **5 Rooms and Bath**

PRICE $1578

Can also be furnished size 24x40 ft. 6 rooms and bath

THIS homelike, restful, cozy cottage has a host of admirers gained by the attractiveness and the economy with which it is built. Properly planned and designed to be built without waste of any kind.

FLOOR PLAN

Note the pleasing lines of the exterior. Consider what comfort you will get from the roomy porch across the front. Our designers have taken great pains to arrange the interior to meet the desires of the most particular. A wide cased opening is planned between the main rooms, adding to the comfort and roomy effect. A seat may be placed in the projecting bay window if desired. Note especially the location of the bathroom—easily reached from the dining room, kitchen or chamber.

This cottage is especially adapted to people of modest means and good taste. The price at which it may be built enables almost anyone to secure a home. Don't pay rent. The rent will pay for your home and the natural rise in value of real estate holding will net you a good profit. In the meantime, you will enjoy the satisfaction of living in your own home.

You can increase the big saving on your home by including our complete guaranteed plumbing equipment and dependable Heating Plant. We will gladly quote low delivered prices.

Take advantage of our liberal Blue Print Plan Offer and get the scale drawings, specifications and full details of this ideal cottage. See the introductory pages of this section.

Harris Home No. B-1022

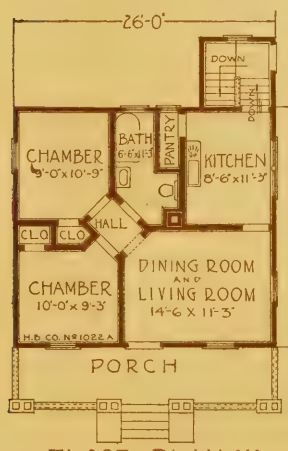
The Size
26 ft. x 24 ft.

4 Rooms
and Bath

PRICE
$1438

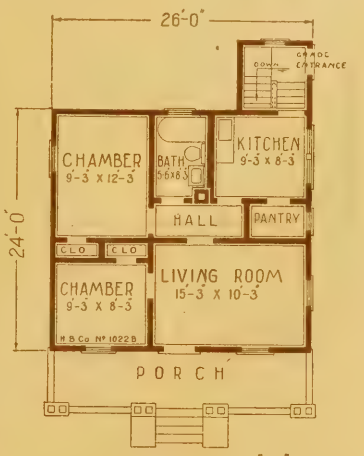
THE HOME shown here was designed to fill the ever-increasing demand for a cottage with two good sized bedrooms, bath, pantry, kitchen and combination dining and living room.

Here we also offer two floor plans to choose from, A and B. Either plan can be ordered with or without the grade and cellar stairway addition. If you do not want the addition, liberal credit will be allowed.



FLOOR PLAN "A"

Should this design suit your needs do not go ahead with your building until you have obtained full information, blue print plans and material lists from us. Thirty years in this business has taught us how to save our customers money. Write today.



FLOOR PLAN "B"

Harris Home No. B-1023

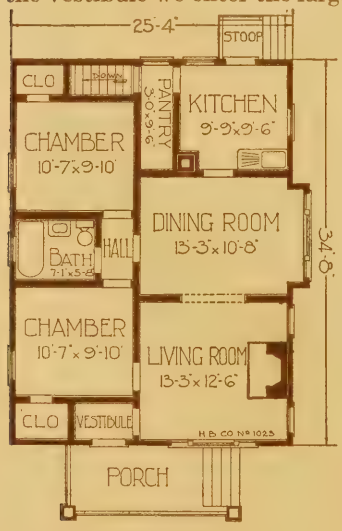
The Size
25 ft. 4 in. x 34 ft. 8 in.

5 Rooms and Bath

PRICE
$1765

HERE we show a desirable bungalow. Planned with close attention to compactness, without loss of space anywhere, this home is built at a surprisingly low cost. The rustic siding and stucco treatment of the interior is indeed striking.

A well planned interior is seen in a glance at the floor plans. Through the vestibule we enter the large living room, which has leaded glass windows at front and side. A wide cased opening leads to the well planned dining room with its leaded glass top sash, cottage window and casement side lights. A door leads to the central hall and here we have a very desirable arrangement; convenient access to this hall from all rooms.



FLOOR PLAN

The windows and wall space are properly arranged for the sink and other kitchen furnishings. Doors lead from the kitchen for handy access to the basement and rear porch.

Cellar sash and an outside cellar door complete with frames and hardware are included in our price. If siding or a combination of siding and shingles is desired instead of Byrkits patent sheathing lath above window sills our plans will be changed and material substitution made for a small additional charge.

Harris Home No. B-1024

The Size
26 ft. x 32 ft.

5 Rooms
and Bath

PRICE
$1599

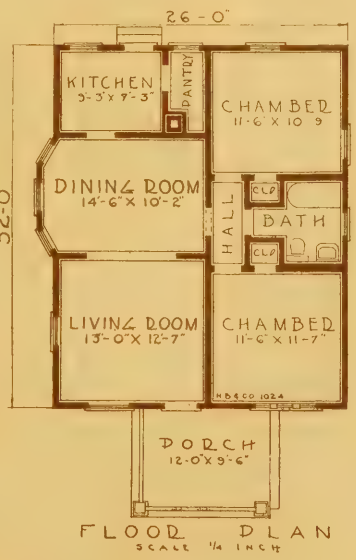
HERE is an inviting Bungalow. Good taste is displayed everywhere in the well balanced combination of new features. The front door and windows indicate the care exercised to harmonize all details.

An examination of the floor plan shows an interior with all that is best in comfort and convenience. Entry is made direct to the large, commodious living room, where we find a large cased opening dividing the two main living rooms. The dining room has a cheerful bay window, and plenty of space for furniture. There is a swinging door between the dining room and kitchen. From the dining room we enter through another cased opening into a hall leading to the bathroom. Each bedroom has large clothes closets, and the clothes closets have doors, shelves, hook strips, and hooks complete.

Owing to the low California type roof, we furnish tight roof sheathing and Certified Fifteen-Year Guaranteed Slate Coated Shingles which can be had in colors, either red or green.

The outside walls are regularly furnished with Washington Red Cedar Shingles, and remember we include sufficient creosote shingle stain for dipping the shingles before they are applied. If bevel siding is preferable it will be supplied without any additional charge. Of course, when bevel siding is furnished, we would include three-coat painting material.

This Home as originally planned, does not have a basement, but for a small extra charge we can include an inside stairway, cellar girder posts of solid 6x6, cellar windows, and door complete with frames and hardware.



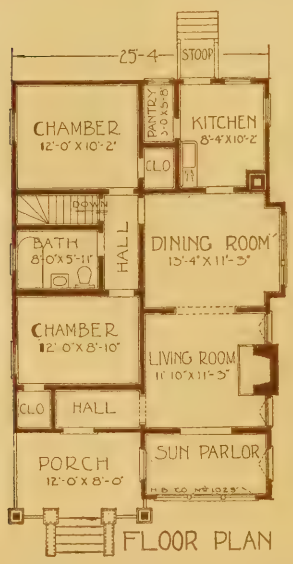
FLOOR PLAN
SCALE 1/4 INCH

Harris Home No. B-1025

Size 26 ft. 10 in. x 41 ft. 4 in. Inclusive of Bay — **5 Rooms, Bath and Sun Parlor**

PRICE $1798

BUNGALOW admirers will find their highest ideals sensibly incorporated and fully realized in this pleasing home. Both the exterior and interior show a keen regard for all that is modern in room arrangement, design and construction. Stucco and siding for the outside walls in this fashion is always pleasing and desirable. The hip roof with its wide overhanging eaves, the sunken panel porch columns and large fireplace chimney are characteristic of true bungalow designing.



FLOOR PLAN

The light, airy sun-parlor with its many French windows is probably the most outstanding feature of the excellent interior. Examine the floor plan. The well placed vestibule leads to the living room. Handsome casement sash are placed on each side of the "homey" fireplace. French doors lead to the sun parlor. Outside walls above window sills are sheathed with Byrkits patent sheathing. Stucco plaster is not included in our price. If you prefer shingles or bevel siding, we can substitute whichever is most desirable for small additional charge.

Harris Home No. B-1026

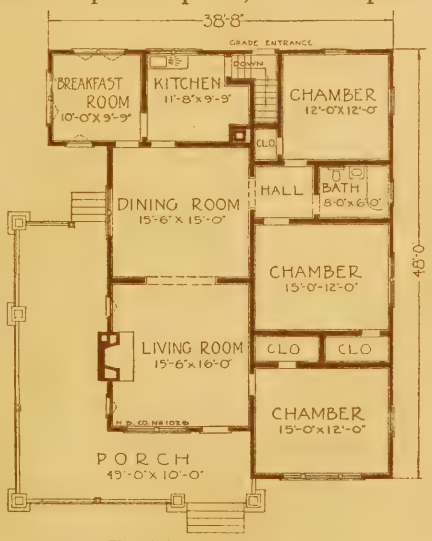
The Size
38 ft. 8 in. x 48 ft.

7 Rooms and Bath

PRICE
$2697

HERE is a house that has proven astonishingly popular for the prospective builder who is desirous of having a seven-room house with a large porch and bath. We cannot help but believe that this attractive yet sensible Home will meet every requirement. Looking from all sides this Home is equally beautiful.

Upon entering the living room from the spacious porch, one is surprised at the well arranged and lighted interior. To the right upon entering the living room we have a large chamber 15 x 12. It will undoubtedly prove to be just what the professional man desires for his home office. The kitchen, with its breakfast room and French windows, is most inviting.



FLOOR PLAN

This Home can be had in either Cedar Shingle siding or bevel siding. Of course, when we furnish Cedar Shingles for the side walls we include sufficient creosote shingle stain for dipping them before applying.

Please bear in mind that our proposition also includes double floors, double walls, plenty of large windows for the cellar, complete with frames and hardware, and solid 6 x 6 girder posts to carry the floor beam supports. Any Plan in this book can be reversed without charge.

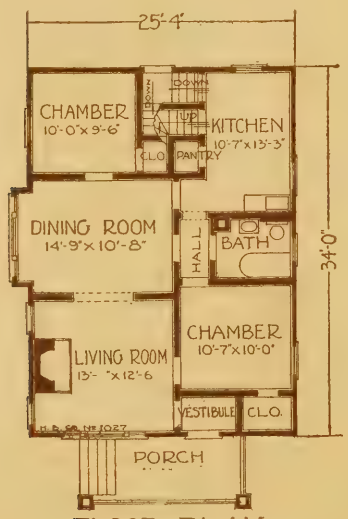
Harris Home No. B-1027

The Size
25 ft. 4 in. x 34 ft.

5 Rooms, Bath and Attic

PRICE
$1789

HERE is 861 square feet of floor area that is the last word in plan arrangement. Especially designed for an east frontage where dining room and living room are desired on the south. The arrangement of the Kitchen, Dining room and Bath is very convenient, and it is something different from the usual layout of houses of this type. Any Harris Home plan can be reversed.



FLOOR PLAN

The most attractive feature in connection with the Kitchen is the grade, cellar and attic stairway combination, thus doing away with a door to the outside, directly from the kitchen.

The attic stair arrangement makes it possible to furnish a small bed room in the dormer, at a very small additional expense. The attic joists are furnished, 2 x 6, with sufficient matched flooring to cover the available space.

The possibility of building an extra room in this attic makes it a very desirable home and is a good thing to mention when building to sell.

The basement is designed to be under the entire house, and five large cellar sash, complete, are included, together with girder posts for supporting girders.

Outside walls are covered with heavy building paper and Byrkit's patent sheathing—If shingles or siding is preferred the substitution can be made for a small additional charge.

Harris Home No. B-1028

The Size
25 ft. 4 in. x 36 ft.

Five Rooms
and Bath

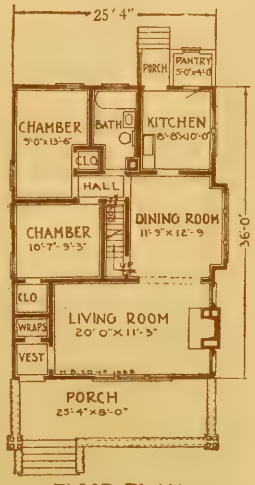
PRICE
$1894

A NEW Harris Home upon which our architects have spent weeks of study—here is the result. Does it not seem to grow out of the ground? The foundation is of brick with brick veneer to the window sills and stucco above.

Note the inside stairway to the basement and also to the attic. The pantry addition can be furnished at a small additional cost. This neat trim home viewed from any angle has an air of substantiality with features of good taste and practical designing. Buildings of this type have come to stay, not only for their elegant exterior, but the general proportions permit all comfortable, practical room arrangements. Here is a splendid home built with big economy "The Harris Way." Nothing lacking anywhere.

Study the floor plan of this design—read our free blue print plan offers in the first pages of this book. What more could you wish for in comfort, convenience and arrangement? Everyone admires this Harris Home from every viewpoint.

Finished room sizes given.



FLOOR PLAN

Harris Home No. B-1029

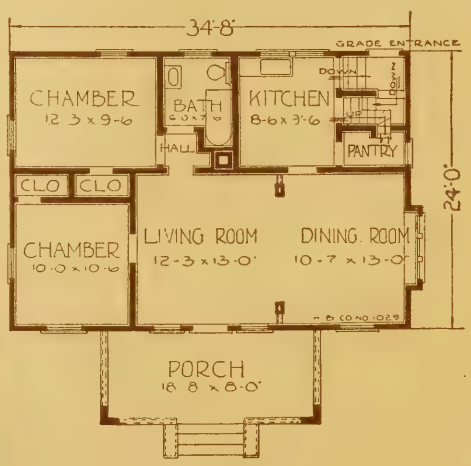
The Size
34 ft. 8 in. x 24 ft.

5 Rooms, Bath and Large Attic

PRICE
$1723

A CLEAN cut Bungalow, typifying the ideal American Home. Strength and beauty characterize every line. The wide projecting eaves, the harmonious porch roof, perfect balance of the entire exterior, all combine in an impressive effect. Stucco up to the belt line and shingles for the balance. Probably the most conspicuous feature of the exterior is the spacious porch with the stucco rail and columns, making it easy to screen.

A colonial door enters into the living room with large windows on either side. Dining and living rooms are separated only by the graceful columns and low rail, giving plenty of light and air. Note the cozy bay window. The kitchen is well arranged with a convenient pantry and inside basement stairs with grade entrance.



FLOOR PLAN

Harris Home No. B-1030

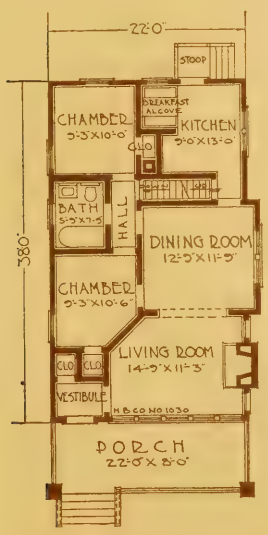
The Size, 22 ft. x 38 ft. — **5 Rooms with Bath and Large Attic**

PRICE **$1995**

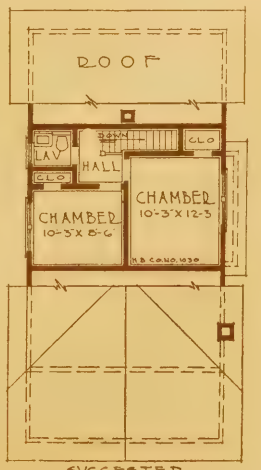
Space Upstairs for two Chambers and Lavatory.

HERE is one of the biggest values we have ever offered. Every inch of floor space utilized to best advantage. Probably the most outstanding feature is the many-windowed living room. When the front porch is deep and covers entire front of house the living room seems always to be dark, but not so in this case. Please note that every modern feature has been given space, not a thing overlooked. We feel that you will agree with us that this plan is unequaled. The finished cost is very low. Get full details today. If you think more room will be needed later, order material to finish off two rooms and lavatory upstairs as shown in plan for a very small additional charge.

To the right is shown suggested second floor room arrangement. Material for same always carried in stock.



FIRST FLOOR PLAN



SUGGESTED SECOND FLOOR PLAN

Harris Home No. B-1031

The Size
24 ft. x 32 ft.

5 Rooms
and Bath

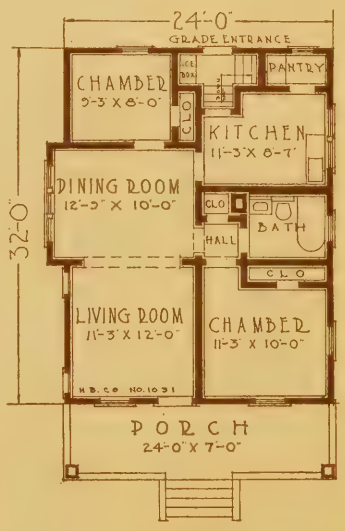
PRICE
$1698

YOU cannot help admiring this beautiful and sensible Harris Home. The true bungalow effect, the broad overhanging eaves, perfectly placed brackets and flowerbox make it a desirable selection of good taste and discrimination.

A home of this type presents a splendid subject for perfect interior room arrangement. The wide cased opening between the two main rooms gives that spacious effect. Study the plan and we dare say you will agree that this is a perfect gem.

When wanted, the front porch can be enclosed as shown in picture for an additional charge.

The plan as shown can be used for north and east exposures; order plans reversed if house will face south or west.



FLOOR PLAN

Harris Home No. B-1032

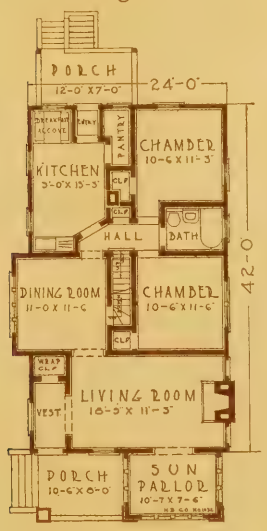
The Size
24 ft. x 42 ft.

5 Large Rooms, Bath and Sun Parlor

PRICE
$2650

LARGE attic with space for one extra room. A stately home that will hold its own in the finest locality. Beauty and utility describe the well-planned interior.

This clean-cut bungalow was designed to meet the ever-increasing demand for six rooms with all modern conveniences on one floor with space upstairs for a future room if needed.

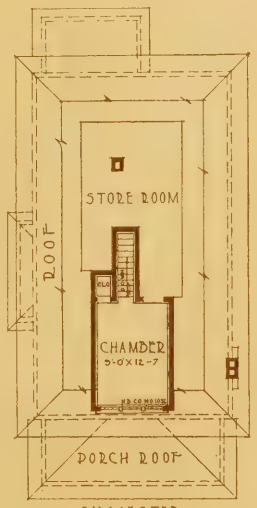


FIRST FLOOR PLAN.

The interior is thoroughly modern in finish and practical in every detail, with not an inch of wasted floor space.

Although designed for stucco exterior this building can be finished in brick-veneer or siding.

Let us show you how to save money on the next home you build, we have testimonial letters to show that we can effect an outright saving of 25 to 30 per cent.



SUGGESTED
SECOND FLOOR PLAN

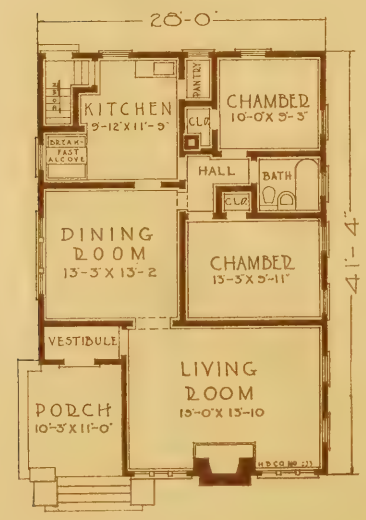
Harris Home No. B-1033

The Size
28 ft. x 41 ft. 4 in.

5 Rooms
and Bath

PRICE
$2076

THIS building may just suit your lot! Good taste is displayed everywhere in this well balanced design. The exterior has all the charms of a full fledged California bungalow with its gables, exposed rafters, brackets, flower boxes and craftsmanlike exterior.



FLOOR PLAN

In selecting a home most people want something a little different than their neighbors, something that, in a measure at least, gives expression to their conception of harmony and beauty.

Here are five large rooms; space for breakfast alcove, pantry, bath and good sized closets. The Blue Print Plans must be seen to be appreciated—order them today. This house can be reversed without extra charge.

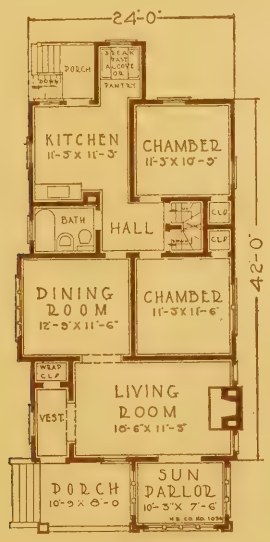
Harris Home No. B-1034

The Size
24 ft. x 42 ft.

5 Rooms, Bath, Sun Parlor and Large Attic

PRICE
$2460

SPACE upstairs for 2 chambers and extra bath. When building a home you look into the future. Will more room be needed later? Here is a design that has proven exceptionally popular. It is designed to have a plastered exterior but will be equally beautiful with siding or shingles.

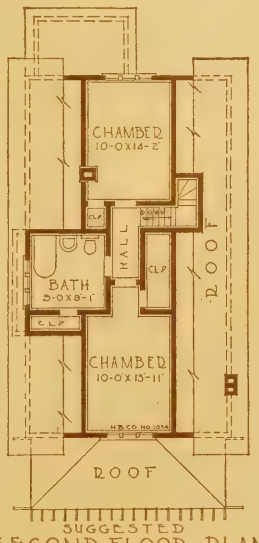


FIRST FLOOR PLAN

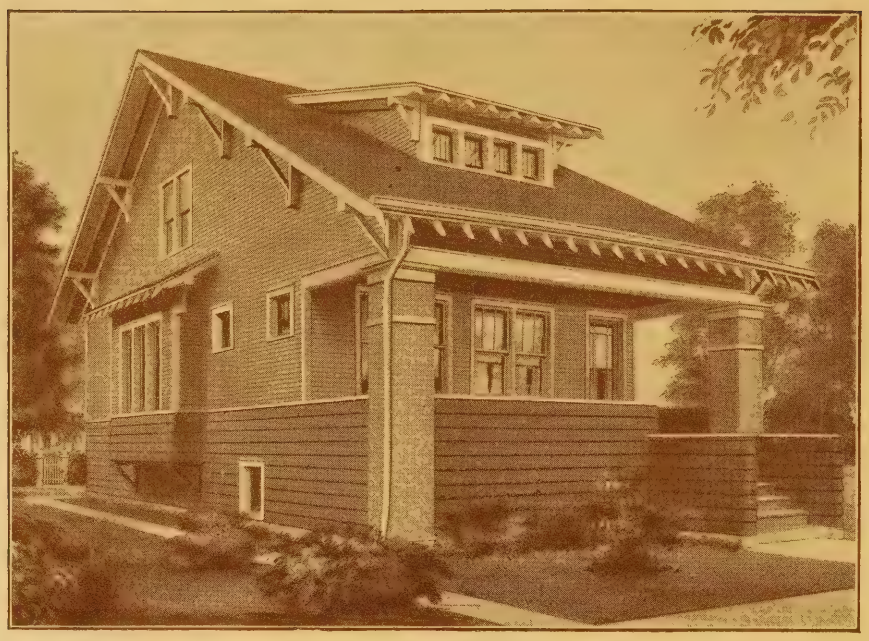
The finished cost of this building is surprisingly low, because the framing material we furnish sets on a grade foundation wall; in other words, you get a seven-foot basement with only a four-foot concrete foundation.

All room sizes given on floor plans are in the clear from plaster to plaster.

Any Harris Home Plan can be reversed without extra cost.



SUGGESTED
SECOND FLOOR PLAN



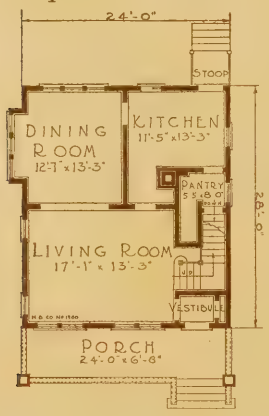
Harris Home No. B-1500

Size 25 ft. 6 in. x 28 ft. Inclusive of Bay — **6 Rooms and Bath**

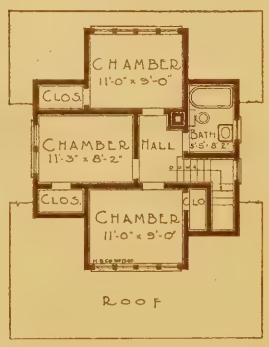
PRICE $2340

NATURALLY this Harris Home appeals to the average person who wishes to retain the bungalow type in a story and one-half construction.

The low broad roof with its sloping dormer, which extends over the large front porch supported by two massive square stucco columns. The broad spacious front porch invites us to come in. The vestibule and half open stairway take up the right end of the handsome living room, with its two double windows in the front, two sash on the side, between which a fireplace can be built, or if the fireplace is not wanted, it is just the space for the piano.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

The dining room is separated by a wide cased opening suitable for our bookcase colonnade. Note the attractive bay and triple windows which furnish an abundance of light. This room will prove one of the brightest regardless of how dull the day.

Going up the semi-open stairway we arrive in a centrally located hall with entrances to all chambers.

Harris Home No. B-1501

Size 25 ft. 6 in. x 34 ft. Inclusive of Bay — **6 Rooms and Bath**

PRICE
$2328

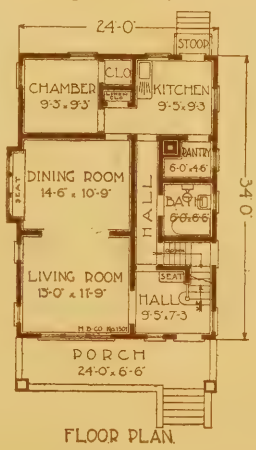
IN this Harris Home is incorporated about every convenience that you could wish for. Study the floor plan carefully and you will see there is nothing lacking for a house of its class and cost.

The exterior view shows a good, solid substantial appearing bungalow. Front porch is of stucco, the balance of the house, siding, all neatly trimmed with corner boards, heavy cornices, fascia and a wide sweeping roof, the lines of which are broken by two handsome hip dormers.

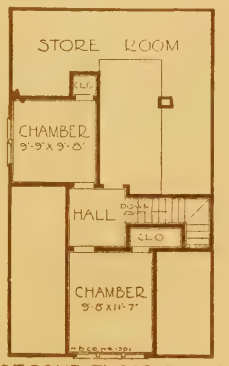
We enter the reception hall and to the right is the beautiful half-open stairway. To the left, a pair of handsome French doors with divided lights to give us just enough of a glimpse of the parlor or living room to make us want to get inside and see the balance. The living room and dining room are separated by a cased opening where a handsome colonnade may be placed. These two rooms can be used practically as one and indeed give a feeling of roominess that is seldom experienced in a bungalow of this size.

There is a good size bedroom with linen closet and a great big clothes closet on the first floor. Kitchen is properly laid out with a pantry big enough for the largest family. Bathroom is conveniently located, as is also the entrance to the cellar and the grade entrance from the outside.

On the second floor there are two fine bedrooms with large closets and storeroom enough to store trunks, goods and chattels to your heart's content.



FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-1502

The Size
26 ft. x 26 ft.

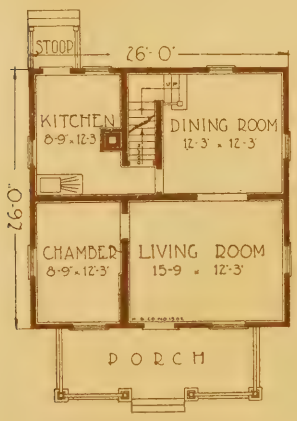
6 Rooms
and Bath

PRICE
$1815

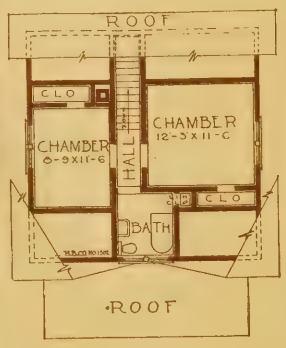
A COMFORTABLE cottage with the charming lines of a bungalow. Especially desirable on account of its compactness, ease of construction and desirable either as a home for the individual purchaser, or as a real estate dealer's or builder's investment. By reason of its simple construction it may be sold at a splendid margin of profit.

As a home it has many splendid features. The first floor can be arranged in many different ways by simply shifting partitions, without increasing the cost of material or cost of construction.

The hanging rafters at the gables and front porch are supported by brackets as shown in the illustration. This departure from the conventional emphasizes the individuality of this design, while it effects a considerable saving in material and labor.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

This design has four good sized rooms on the first floor and two additional bed rooms and two closets on the second floor. Off the hall towards the front is a large and well lighted bathroom. This gives the house every essential convenience. Add to this economically planned home the saving in time and labor with material Improved Ready-Cut, without waste, "The Harris Way;" this and many other features of economy explain the big saving which is yours when you build a Harris home.

Harris Home No. B-1503

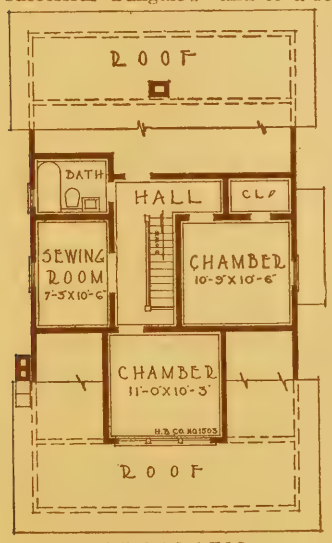
Size 27 ft. 6 in. x 40 ft. Inclusive of Bay — **5 Rooms, Bath and Large Attic**

PRICE $2222

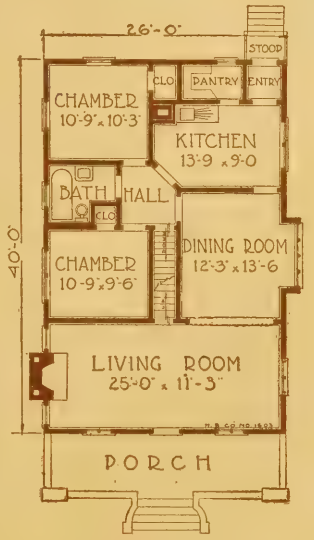
HERE is the beauty of all beauties, and not only does this apply to the exterior appearance, which really speaks for itself, but equally as well for the interior. The plan of the rooms is perfection itself. The building of such a Harris Home carries with it a pride of ownership that bespeaks of solid citizenship, dependability, comfort and sensible good taste.

The broad inviting front porch and the spacious living room are true adjuncts to a successful bungalow and to a real home. As we enter this room we are impressed with its beauty. There is a handsome mirror door included that leads to the second floor. The view through to the dining room is wonderfully charming. The dining room has a long broad bay window with four attractive casement sash. If front porch is wanted enclosed as shown same can be furnished for small additional cost.

The best yet—there is space in the attic to finish off three rooms, hall, large closets and an extra bath as shown in suggested second floor plan. See price lists for cost of material to finish off these rooms.



SUGGESTED SECOND FLOOR PLAN



FLOOR PLAN

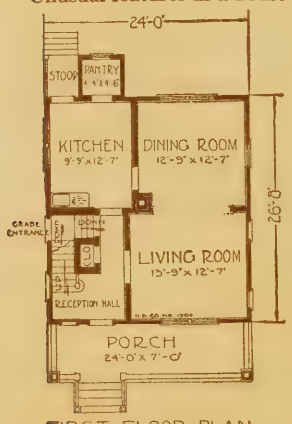
Harris Home No. B-1504

Size 24 ft. x 31 ft. 8 in. Inclusive of Bay — **6 Rooms and Bath** — **PRICE $2238**

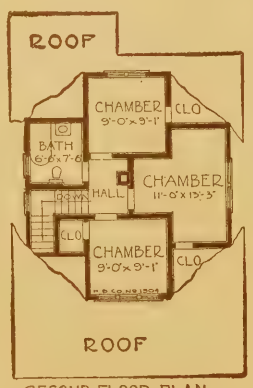
IT IS easy to enthuse over this wonderfully planned Harris Home. A close analysis of the plan and building lines, only lead you to see more plainly than at the first exclamation of approval, that every point deserves this enthusiasm first expressed. It is truly a cosy bungalow type and even if that lot you have in mind is only thirty feet wide the house will fit and look well.

The handsome front porch, the sloping roof on same and the handsome dormer, are only a few of its distinguished features. The many advantages of a porch extending across the entire front are easily seen and appreciated. Convenience of family and guest is taken into account in the interior. Even the clothes closet in the reception hall is not overlooked.

Unusual features in a house of this size are the French doors leading from the reception hall to the living room and space for one of our handsome bookcase colonnades on either side of the cased opening between the living room and dining room.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

A better planned kitchen and pantry would be hard to find. The twin windows in the kitchen are a joy to the housewife as well as the well planned furniture spacing. Note especially the door from the kitchen to the reception hall, from which one may pass directly through the grade entrance. This grade door also gives access to the basement.

Each of the three chambers, well planned to accommodate all your bedroom furniture, opens into a common hall. The bathroom conveniently located, is planned to save all cost possible in installation of plumbing.

Harris Home No. B-1505

The Size
22 ft. x 30 ft.

6 Rooms
and Bath

PRICE
$2173

CAN'T you imagine half a dozen families of your acquaintance in this truly ideal home and although the families differ in the number of members, taste and individual needs, yet they each "just fit" in every case. The Browns enthused over the beautiful living room with its attractive semi-open stairway—they could scarcely wait to entertain their friends at dinner for the cased opening, simply suggesting a separation of the dining room and living room, fairly breathed of gracious hospitality.

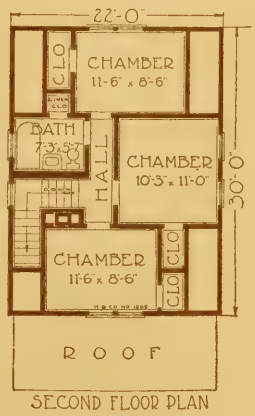
Mrs. Experience pronounced the kitchen perfect—large enough and small enough for convenience, all the space she needed designed to save unnecessary steps. She especially appreciated the common, convenient hall from which she had access to the living room, the dining room, the kitchen, and down the stairway to the side yard through the grade entrance.

Mr. and Mrs. Newly Wed imagined themselves on that perfectly dear porch, just private enough to be right. They also appreciated the attractive roof with its handsome dormer window on each side and while they did not need all the space provided, yet how delightfully the house was arranged for guests.

Mr. Man of a growing family found plenty of room on the main floor and in the three generous sized rooms on the second floor, plenty of sleeping quarters for the family and guests. Imagine your family in this attractive well planned home.

Any Harris Home can be reversed.

FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-1506

The Size
28 ft. x 26 ft.

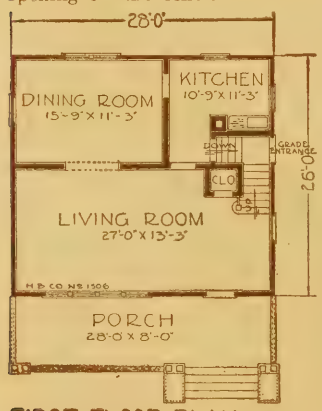
6 Rooms
and Bath

PRICE
$2289

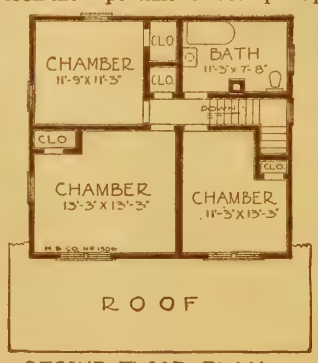
A BROAD, inviting porch with attractive columns and wide roof eaves are dominant features of this Harris Home. There is rest and comfort in the very design, and we do not hesitate in recommending this house to you.

Downstairs the living room extends across the entire width of the building. At the right we have a convenient coat closet and open stairway. Beyond is a dining room almost sixteen feet long, and a kitchen just large enough with entrance to basement and grade.

On the second floor there are three bed rooms and a bath room, all opening off the central hall.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

In making a comparison of prices do not overlook the importance of a complete proposition. We include in our price double floors, both up and down stairs, basement windows complete with frames and hardware, cellar girder posts of solid 6 x 6 timber, sheet metal guttering, downspouts galvanized and all accessories; also paints and varnishes for a three-coat job.

Finished room sizes shown are from plaster to plaster.

Harris Home No. B-1507

The Size
24 ft. x 24 ft.

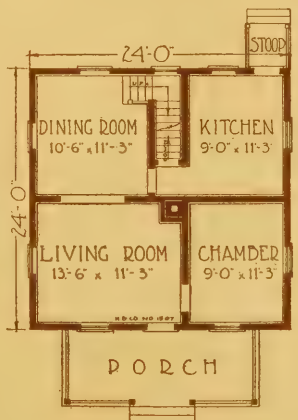
6 Rooms
and Bath

PRICE
$1718

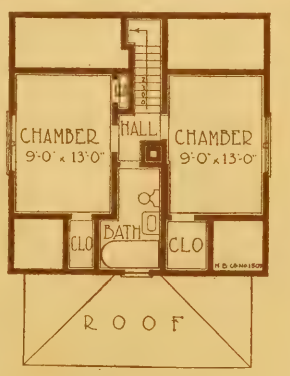
Planned for Investments That Pay

THE most successful cottage design offered today. Built again and again for homes and sure paying investments as evidenced by the reproduction above—showing but one of three erected by one man. Here you will find every dollar invested, clearly shown to best advantage in the completed building—all practical and economical modern methods being employed to give you all that is best in material, construction, arrangement and exterior appearance at the lowest possible figure. You'll be surprised at the ease and economy with which this design can be built with material, Ready Cut "The Harris Way."

The interior is designed in a simple, convenient arrangement for genuine home comfort. The first floor has four rooms of good size; the second floor two chambers and bath with ample light and proper ventilation. Plenty of closet space properly situated.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

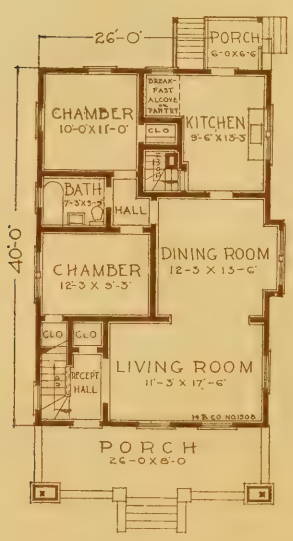
Harris Home No. B-1508

Size 27 ft. 6 in. x 40 ft. Inclusive of Bay — **7 Rooms, 2 Baths and Storage**

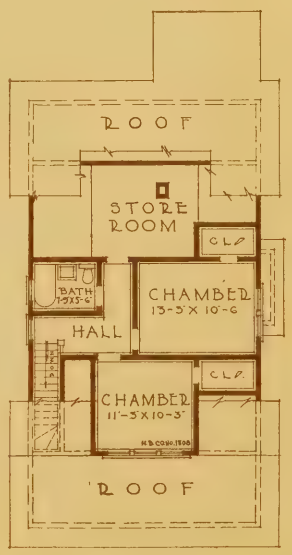
PRICE $2588

THIS very handsome and distinctive stucco semi-bungalow has proven exceptionally popular. In every line it gives the impression of being a most comfortable home. The sweeping porch beam, tapered columns, the wide eaves, all lend themselves to the perfection of this design.

Send for the complete blue print plans, which include detailed specifications and list of material—describing every item of material we furnish for this home.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-1509

The Size
24 ft. x 40 ft.

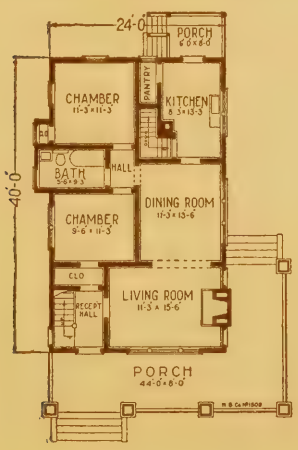
5 Rooms, Bath and Large Attic

PRICE
$2650

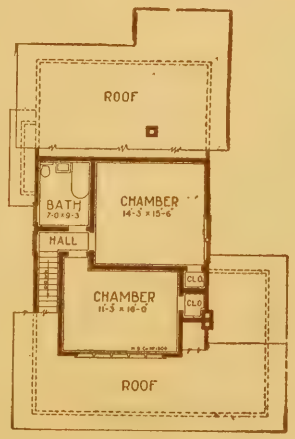
SPACE upstairs for 2 large chambers and extra bath. When building a home you should always try to remember that some day it may be sold, and that's when you need good talking points. You may not need the extra rooms upstairs, but the new owner might just be looking for that extra space.

This home may just suit your lot. If the front porch extension on the right is not wanted or if the size of your lot will not permit its use we will gladly arrange to leave off the unnecessary material and credit accordingly.

No further comment on the room arrangement is necessary. The plans shown here cannot be surpassed. This plan can be reversed without extra charge.



FIRST FLOOR PLAN



SUGGESTED
SECOND FLOOR PLAN

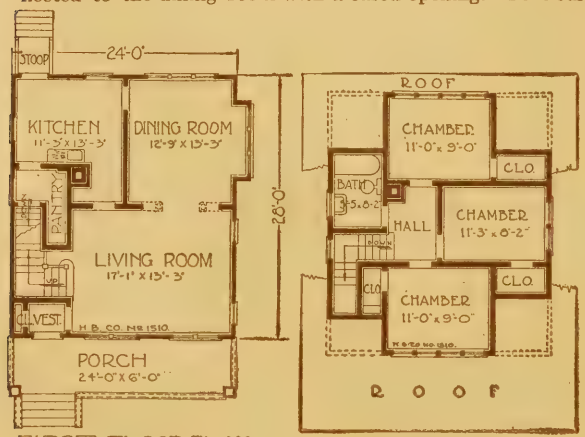
Harris Home No. B-1510

Size 25 ft. 6 in. x 28 ft. Inclusive of Bay — **6 Rooms and Bath**

PRICE $2094

A WONDERFULLY attractive stucco plastered home. Here is a home that will hold the attention of the passerby. It has just enough ornamentation, of the substantial kind to add distinction and character, keeping it far above the common run of similar houses. Its attractiveness does not end with its exterior appearance, but only begins. The interior is a delight to the eye, and a joy to the housewife, whether she has servants or not. Every detail has been carefully studied to enable the owner not only to furnish this house without waste of money, material and labor, but also to live in it without wasted footsteps and energy. The broad spacious porch, the full width of the house, is easily glassed or screened in.

We enter the house through a vestibule that affords protection against the weather, and to the right is the large, handsome, well-proportioned living room, connected to the dining room with a cased opening. Particular attention is called to the number of handsome and well arranged windows.



FIRST FLOOR PLAN — SECOND FLOOR PLAN

The kitchen is just the right size; pantry conveniently located, with plenty of light, and even a broom closet provided. Entrance to the cellar is directly under the main stairs through the side of the pantry.

The upstairs has three large bed rooms each with a closet that is a delight and comfort. Nothing has been skimped in the way of light and ventilation. The bathroom is well located, and installation of plumbing (see back pages of this book) cost low, because it is directly above the kitchen.

Harris Home No. B-1511

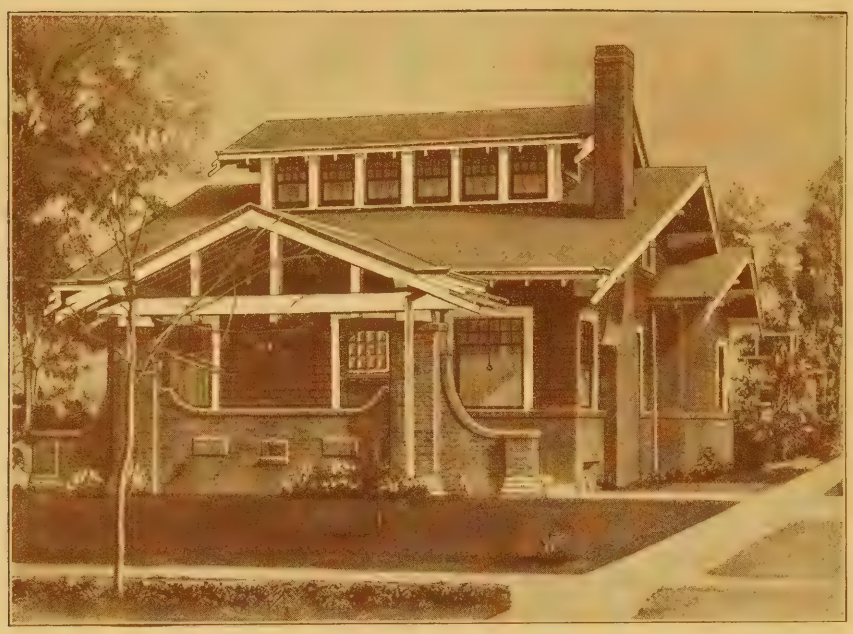
Size 25 ft. 6 in. x 34 ft. Inclusive of Bay — **6 Rooms, Bath and Storeroom**

PRICE $2139

IN THIS cozy story and one-half bungalow we have combined the many conveniences and exterior beauty of higher priced homes, with economy everywhere. In the old days, with old methods, the many pleasing characteristics of bungalow construction would result in useless expense and a prohibitive price. But with our easily understood plans, clear specifications and material Improved Ready Cut, without waste, "The Harris Way" you can realize your highest ambitions. Such a home as this, with good taste displayed everywhere in the exterior designing and a splendid interior, should appeal to the most exacting and especially so when you consider its low cost.

Looking at the floor plans we find an unusually pleasing arrangement. The living room is connected with the reception hall by a pair of handsome French doors. This room is unusually well lighted, not only from the handsome triple front window, but also by light from the reception hall and the two windows on the side. A handsome cased opening leads from the living room to the dining room. The bathroom is properly placed. There is also a convenient grade entrance.

FIRST FLOOR PLAN — SECOND FLOOR PLAN



Harris Home No. B-1512

The Size
26 ft. 8 in. x 29 ft. 4 in.

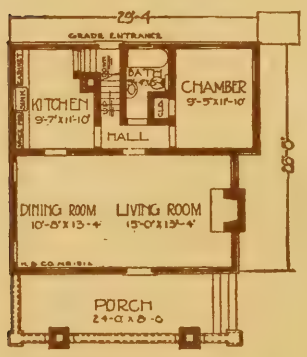
6 Rooms and Bath

PRICE
$1996

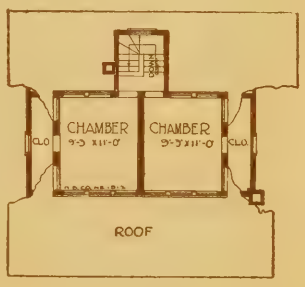
HERE, Mr. Home Builder, is your dream of your ideal home come true. There are so many beautiful features of exterior designing and so much good taste and common sense displayed in the room arrangement and construction that we scarcely know where to begin this description.

The owner of this No. 1512 Home preferred stucco for the porch and lower portion. Your own individual tastes can also be carried out.

Notice the splendid effect secured with the lookout dormer, the bay at side and especially the front porch with its side entrance. Our architects have taken every possible advantage of the liberal dimensions of the building in planning four large rooms on the first floor and two bedrooms with large closets on the second floor.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

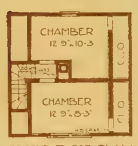
Harris Home No. B-1513A

5 Rooms With or Without Bath and Pantry

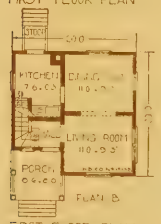
PRICE
$1223

FIRST FLOOR PLAN

1513-A
Size
20 x 20



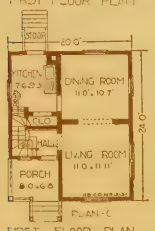
SECOND FLOOR PLAN



FIRST FLOOR PLAN

1513-B
Size
20 x 20

SECOND FLOOR PLAN



FIRST FLOOR PLAN

1513-C
Size
20 x 24

SECOND FLOOR PLAN

We present this very popular home with justifiable pride for the wonderful value it gives you. This home shows the result of careful planning, and it is certainly pleasing its many owners throughout the country today.

Notice exterior of No. 1513-C illustrated above. The porch, economically yet artistically arranged in the corner, sheltered by main building.

Five dandy rooms conveniently arranged. Entrance is through a hall immediately off the main stairway, lighted with a pretty leaded glass casement sash. We pass from the hall to the well lighted living room through a cased opening, and cannot help but admire the well arranged and lighted interior. Another large cased opening divides the living and dining rooms. Kitchen is of convenient size and can be had in various arrangements, with or without pantry, depending upon the size you wish to build.

The second floor is shown with or without bathroom. All rooms are of ample size, straight ceilings, plenty of light and ventilation.

Floor plans to the left explain themselves. However, let us mention that

Plan A is size 20 x 20 and without bath or pantry.
Plan B is size 20 x 20 and with bath but no pantry.
Plan C is size 20 x 24 and with bath and pantry.

For different prices see list attached to back cover.

Two men can erect Plan A ready for plastering in about ten days.

Remember, we include basement door, windows, frames and hardware for same. Inside cellar stairs, girder posts of solid 6 x 6. Double floors upstairs and downstairs. Guttering and spouting; also three-coat paints and varnishes, and last, but not least, No. 1 Yellow Pine dimension stock throughout. Be sure and consider these very important matters in making your comparison.

Harris Home No. B-1514

The Size
25 ft. 4 in. x 21 ft. 4 in.

6 Rooms and Bath

PRICE
$1589

WE BELIEVE that in this plan we offer the extreme limit of comfort and utility possible in a house constructed strictly along economical lines, at the same time keeping in mind a good looking home. "The Harris Way" home building system with Improved Ready Cut material increases your savings.

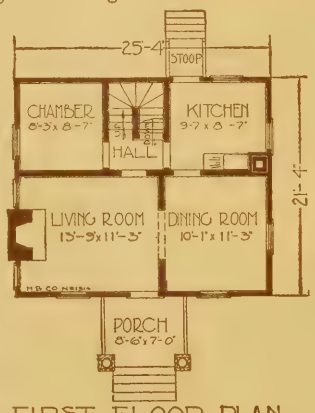
The first floor plan is well laid out with a large living room and dining room so arranged as to be thrown practically into one large living room measuring about 25 ft. long and 12 ft. wide. The living room and dining room are conveniently located. The kitchen can be reached either through the living room or dining room and is of ample size so that a stove, sink and kitchen table can be conveniently placed without crowding.

The stairway to the second floor is located away from the front of the building, and placed in this manner gives direct access to the second floor without the necessity of passing through the living room. A door between hall and stairs is provided to prevent heat and cooking odors from penetrating the bedrooms.

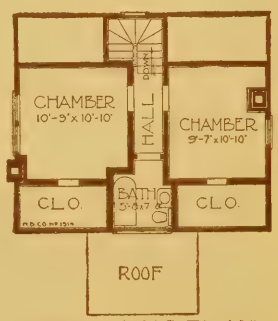
The stairway to the basement is located directly along side of and under the main stairway.

One feature we have in this plan which is not generally found in a building of this size is a bedroom on the first floor which is very convenient.

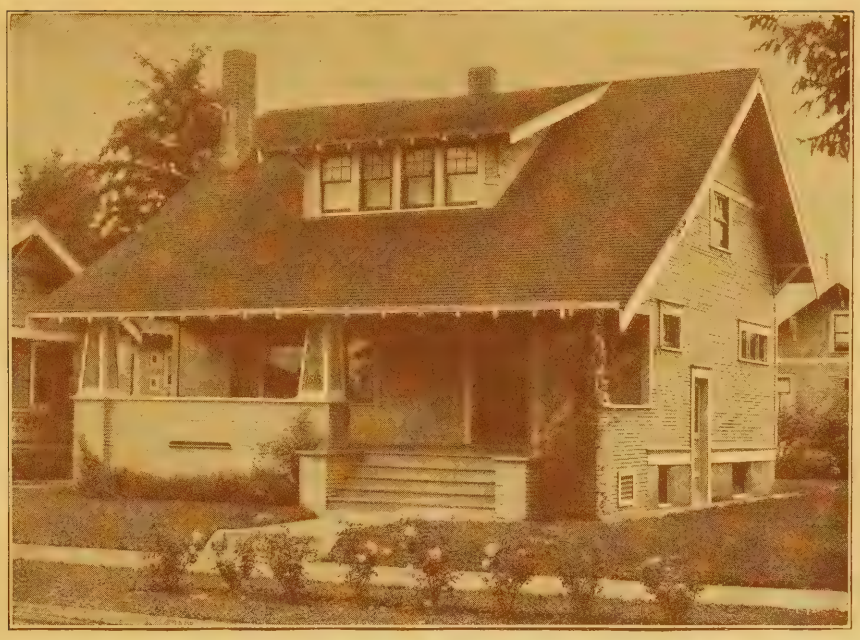
The second floor contains two large bedrooms and bath. Each bedroom has a large size closet. The entire house is exceptionally well lighted and ventilated by plenty of good sized windows.



FIRST FLOOR PLAN



SECOND FLOOR PLAN



Harris Home No. B-1515

The Size
28 ft. x 26 ft.

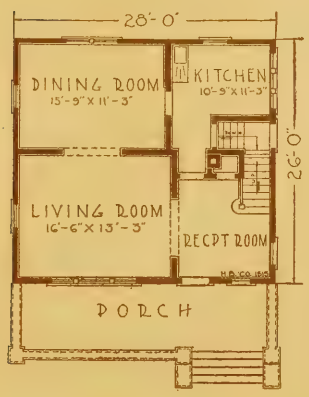
6 Rooms, Bath and Reception Hall

PRICE
$2352

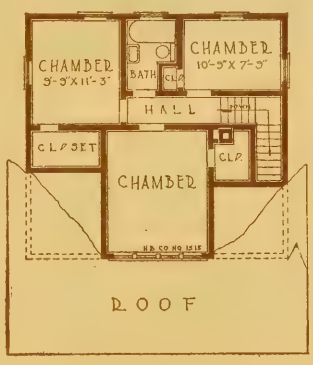
IF you have a wide suburban lot this house may be just what you want. It's something "different" and yet economical to build. The house itself is not really large, but notice the general sizes of rooms, especially the living and dining rooms—and the wide spacious porch will prove a constant source of enjoyment to the owner. Can you picture this porch equipped with a porch swing and several cozy chairs?

The arrangement of the stairs will be admired. Stairway to second floor is partially open, and the handy method of placing the cellar stairs and grade entrance directly underneath conserves space, making possible those nice large rooms.

This is certainly the house to build if you intend to get the most for your money.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-1516

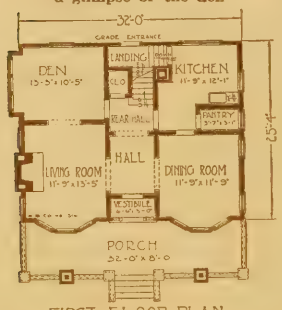
Size 33 ft. 6 in. x 26 ft. 10 in. Inclusive of Bay — 7 Rooms and Bath
Designed for Plaster Exterior

PRICE $2582

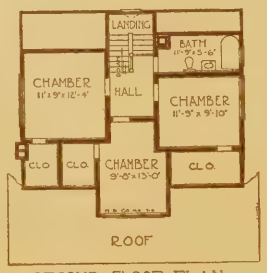
YOU can build this artistic bungalow in the finest locality with a feeling of pride, for it lacks nothing in exterior elegance or interior arrangement. Every dollar you invest in this bungalow will show in the beautiful exterior or in comfort and convenience. Study the picture above and you will find many very pleasing features too numerous to mention.

A corner in living room with just a glimpse of the den

From the central hall the real elegance of the well planned interior is seen. The roominess of the interior is emphasized by the wide cased openings leading to the rear hall, reception room and dining room. To the left we enter the hospitable living room with its fireplace. A pleasing feature is the arrangement of well placed high leaded glass windows and the bay window at front. Through a cased opening we enter the den. Note the cozy bay window. The location of the pantry between the kitchen and dining room is very convenient with its swinging door. Access from the kitchen to the grade door at the rear, also to the basement is facilitated by well placed doors.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

The second floor has three good sized bedrooms with an abundance of closet space and a large bathroom properly situated for convenient access from any part of the building. Plenty of windows will be found for light and ventilation.

You'll be surprised at big savings in actual dollars of your money that are yours, if you build of material, Improved Ready Cut—"The Harris Way."

Harris Home No. B-1517

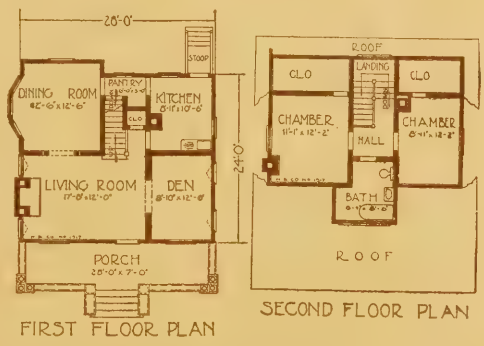
Size 29 ft. 6 in. x 26 ft. Inclusive of Bay — **6 Rooms and Bath**

PRICE $2033

YOU like this modern stucco bungalow as it is pictured here and doubtless wonder at the very low price. Among the many desirable features of this house, the interior arrangement is the most important. Bungalows with six rooms or so, on one floor are expensive and many wonder why. This is easily explained when you consider that it will take a double sized roof and foundation, compared to a mode. such as this, with the bedrooms, bathroom, etc., conveniently placed on the second floor. The material furnished guaranteed Improved Ready Cut "The Harris Way" means the lowest price on material and very low labor cost. Keep this saving in *your* pocket.

The floor plan is everything that can be desired. Large living room with den adjoining. The dining room is of ample size; between the dining room and kitchen the pantry is conveniently located. The stairway arrangement is very attractive. At the start there is a cased opening; the stairway runs to a landing well lighted by a pair of leaded casement sash. An abundance of windows and leaded casement sash are provided for, which permit more than enough light and perfect ventilation. On the second floor we have the two large bedrooms, a large closet in each, the ceilings showing no cut-off. There is a good sized hall and a large bathroom. Study the floor plans carefully.

The exterior is strikingly handsome. The plain sloping roof, the spacious full width porch with its graceful arches, are practical and attractive features. If possible, native stone should be used for the porch and chimney—no matter how rough or broken. Rough brick or cement blocks may also be used with the desired result.



FIRST FLOOR PLAN

SECOND FLOOR PLAN

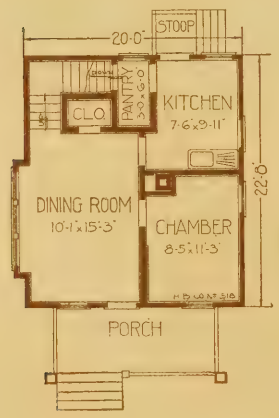
Harris Home No. B-1518

Size 21 ft. x 22 ft. 8 in. Including Bays — **5 Rooms and Bath**

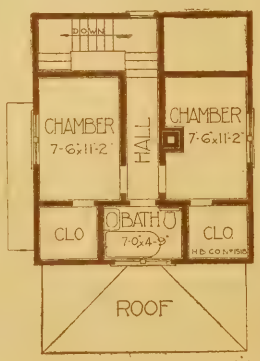
PRICE $1559

HERE, Young Housekeepers—beginners in matrimony—is a dandy plan for a couple just starting to make their first home. A more attractive home cannot be built within the price. This is simply another example of the skill used to such good advantage by our expert designers in combining the artistic and the practical. And this is done, too, without adding a single item of expense over the cost of an ordinary plain cottage of the same size. That is where you benefit by the co-operation of our architects and designers.

Step inside and find a cozy three-room layout on the lower floor with an exceptionally well planned stairway arrangement, so planned that virtually no space is wasted. Under the stairway that leads to the upper floor we get access to the basement. These stairs lead out of a rear vestibule which connects with the kitchen; one end of this entry is used as a pantry. A fine large closet occupies the recess between the stairway and the entry, thus taking up all the space for practical purposes. The bedroom on the main floor can be converted into a dining room.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

Upstairs there are two fair sized chambers, hall and bath. By doing without this hall, one of the bedrooms could be made larger. There is also plenty of closet space.

This is a delightful little home—for an investment it will net you a handsome profit.

Remember, we furnish double floors with building paper, both up and down stairs, 3 coat paint and varnish job, outside cellar door and windows with frames, and hardware sheet metal and guttering without any extra charge.

Harris Home No. B-1519

Size 24 ft. x 28 ft. Inclusive of Addition — **6 Rooms and Pantry**

PRICE $1857

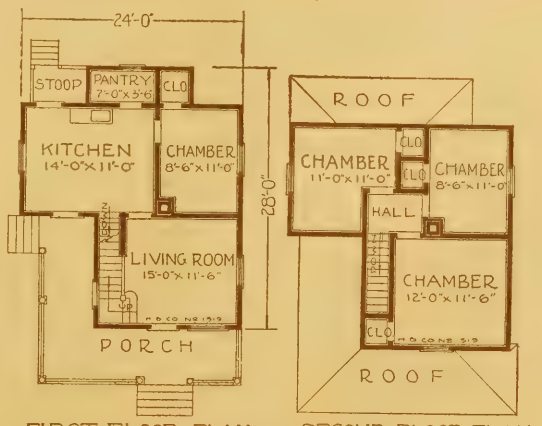
HERE is your ideal town or farm house—convenient, compact and economical in cost of construction. Stop and consider this—a big one and one-half story house, containing six rooms, conveniently arranged, all of good size and of fine material.

We invite a comparison of the material we furnish for this design with any estimate on a similar design. We are confident that our price, quality of material considered, will be by far the lowest. The first floor, you will note, has a parlor and a kitchen, big enough to be used for a dining room and kitchen. A good sized bedroom, containing a large closet connects with the kitchen. There is a very inviting porch around the entire front and side of the house, back to the kitchen, with an entrance there.

The upper plan of this house shows three good sized bedrooms, each containing a spacious closet, and all entrances located conveniently to the stairhall, which means a saving of many steps, as well as a saving in material and space.

A bathroom is not shown on the plan, but can be placed very nicely where the two large closets now are located off these bedrooms.

A study of the plan will convince you that this is a splendid design to build. Although our price on this design is extremely low, material is furnished in every instance as outlined in our general material specifications fully outlined in preceding pages of this book.



FIRST FLOOR PLAN — SECOND FLOOR PLAN

Harris Home No. B-1520

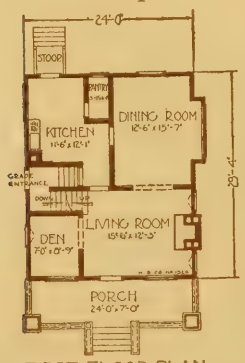
The Size
24 ft. x 29 ft. 4 in.

7 Rooms and Bath

PRICE
$2254

WE CALL this modern bungalow our "Triumph," for it combines all that is new and desirable in modern bungalow architecture, perfectly blended in a striking exterior and an interior that cannot be surpassed for comfort and utility. Nothing lacking and nothing overlooked by our architects and designers in their successful efforts to produce this ideal American home.

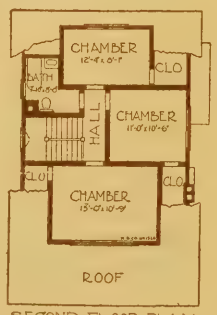
A study of the floor plans reproduced below, reveals an interior that will appeal to persons of common sense and good taste. Considering the step-saving arrangement in and about the kitchen, the generous dimensions of the living room and dining room, and the well planned second floor, we cannot see where this design could be improved. Although you will note the front door opens into the living room, this can be changed to open into the den; the den would make a perfect reception hall. On the second floor you will find the bathroom and three good sized bedrooms with plenty of closet space. Unlike many homes of this type, the ceilings of all second floor rooms in this Harris Home are square, showing no "cut offs."



FIRST FLOOR PLAN

The location of the kitchen and bathroom insures every possible saving in plumbing installation.

This home is designed for stucco exterior. We furnish building paper and Byrkits Patent Lath. Box sheathing and bevel siding if wanted.



SECOND FLOOR PLAN

Harris Home No. B-1521

The Size
21 ft. 4 in. x 26 ft. 8 in.

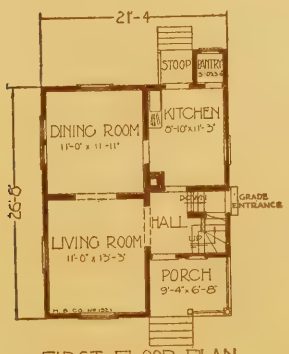
5 Rooms and Bath

PRICE
$1623

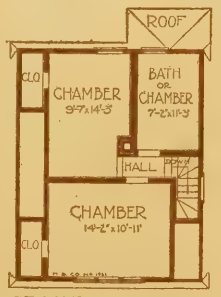
SOMETHING new and different. If you knew the amount of care, thought and energy consumed in perfecting this splendid design, you would be just as enthusiastic in its consideration, as we are in placing it before you. Probably never before has the planning of any home been so carefully handled. Even the smallest details of construction were carefully considered to produce all that is best in quality and appearance with greatest economy.

The first floor plan shows reception hall, living room, dining room, kitchen, pantry, rear porch, and a grade entrance all conveniently arranged. Wide cased openings lead to the living room and dining room. Direct access from the kitchen to the hall saves the necessity of passing through the dining room and living room to get to the front hall. The handsome open stairway to the second floor adds beauty and spaciousness to the interior of the living room.

On the second floor there are two excellent bedrooms with good size closets and bathroom properly placed. The bedrooms are very large, having sufficient space to accommodate two beds without crowding. The Gambrel roof makes it possible to finish the bedrooms with square ceilings —showing no slope of the rafters.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

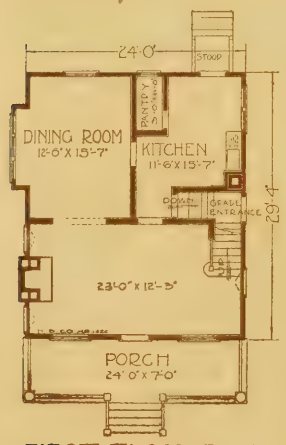
Harris Home No. B-1522

Size 25 ft. 6 in. x 29 ft. 4 in. Inclusive of Bay — **6 Rooms and Bath**

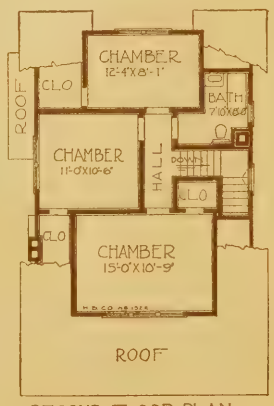
PRICE $2391

THIS popular addition to the aristocratic "family" of Harris Homes, with its elegant exterior and room arrangement, was designed on account of the many requests for a larger home of the bungalow type. The broad sweeping lines of the true bungalow have been preserved by extending the roof out over the porch. Two well placed dormers at both front and rear, designed in careful detail and perfect harmony, add greatly to the general appearance and roominess of the interior. These dormers enable us to design square ceilings in all of the rooms on the second floor.

All rooms are of excellent proportion. At one end of the living room there is a large "cheery" fireplace. Just enough of the handsome stairway shows at the other end of the living room to break the long line, adding a decorative and desirable feature. Note the well planned bay in the dining room with its many windows. The kitchen is planned for convenient access to all rooms, basement, side grade door and rear of the house.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

On the second floor there are three large bedrooms and closets. The bathroom is conveniently reached from any part of the house and is placed over the kitchen for economy in the installation of plumbing. The interior trim and mill work is modern and up-to-date style. Get the complete plans and all details of our liberal offer as explained in preceding pages.

Harris Home No. B-1523

Size 32 ft. x 37 ft.
Inclusive of Addition

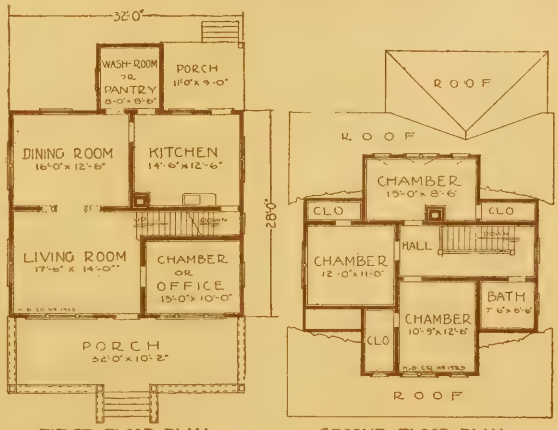
7 Rooms
and Bath

PRICE
$2776

HERE is a bungalow that has been received with a warm welcome in every section of the country. Although our architects primarily designed it with care and attention to every requirement for the farm, city and suburban home builders will find it difficult to find a more generally satisfactory plan. This is one of those clean cut homes that is substantial from every viewpoint. The exterior detail, splendid proportions, size and arrangement of rooms—the excellent material and correct construction will stand the test of time—for you Build-To-Stay, "The Harris Way."

Our plans show an excellent arrangement of rooms in the basement for the furnace, fuel, vegetables, dairy and laundry. Now take a careful look at the first floor plans. Note especially the large size of all rooms, the convenient arrangement and how all available space has been utilized. Just off the living room we have planned a room which can be used as a bedroom or office, a wide cased opening connects the living room and dining room. Well planned doors leading from the kitchen to the back porch and stairway to the basement or second floor.

Three good sized bedrooms with roomy closets and the bathroom are found on the second floor. The bathroom is placed at the head of the stairs directly accessible from all parts of the house. The second floor ceilings are square, showing no slope of the rafters.



FIRST FLOOR PLAN

SECOND FLOOR PLAN

Harris Home No. B-1525

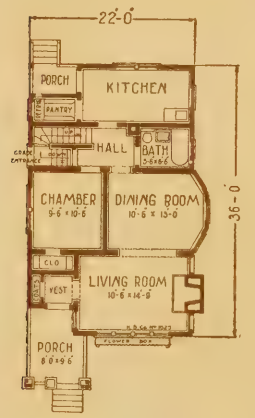
The Size
22 ft. x 36 ft.

4 Rooms, Bath and Large Attic

PRICE
$1989

THERE is sufficient space upstairs to finish off two rooms. A tremendous demand has been made of late for a semi-bungalow of Queen Anne Type having four rooms, bath, and pantry on the first floor, with space upstairs to finish off chambers that may be needed at a later date,—or, as a talking point should you wish to sell.

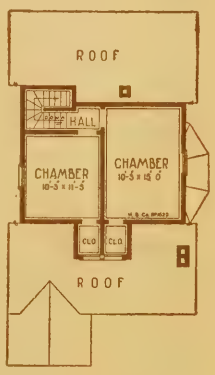
This is truly a suburban creation, even down to the exterior of wide bungalow siding combined with shingles.



FIRST FLOOR PLAN

This home is designed to have a fireplace in the living room, but if a fireplace is not wanted it is a simple matter to furnish extra material to fill in that space. We will gladly do this for you.

It is seldom you will find a house suitable for a narrow lot so well planned and with such a pleasing exterior appearance. The circular Bay in the dining room not only adds comfort to the interior, but also a certain individuality to exterior that is hard to define.



SUGGESTED
SECOND FLOOR PLAN

Harris Home No. B-1526

The Size
22 ft. 8 in. x 24 ft.

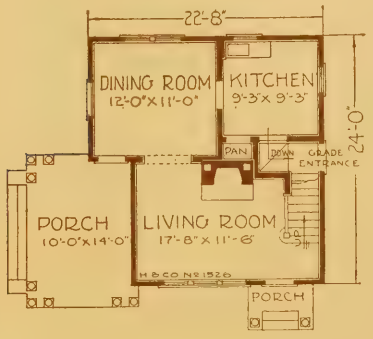
6 Rooms and Bath

PRICE
$1736

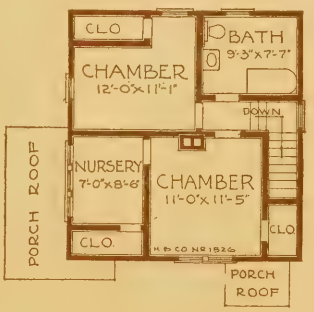
THIS attractive Colonial will please you! The insert shows this home erected at Hollis, L. I., New York. You will note that this home has really two fronts. It looks just as well either way and the size of the lot usually determines the position in which it is placed.

The insert shows the pergola enlarged with the triple living room window changed to a quadruple, with door omitted and dining room entrance changed to living room. These alterations as well as glass enclosure for front porch can be made very economically. Write us your requirements today.

The well arranged floor plan needs no further comment. However we do want to call your attention to the nursery on second floor which can also be used as an all year sleeping porch.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-1527

The Size
24 ft. x 44 ft.

5 Rooms, Bath, Sun Parlor and Large Attic

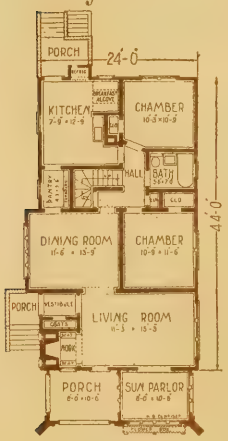
PRICE
$2661

Space upstairs for 3 extra chambers and bath

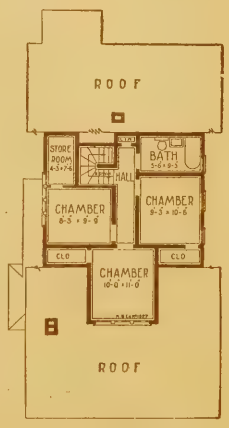
YOU cannot help but admire the beautiful lines of this plastered semi-bungalow. You cannot overlook the symmetry, perfect balance and plain yet inviting exterior. A glance at the illustration and floor plans pictured here tells a better story than any description that we could write.

If you are looking for individuality or something different than the ordinary type of house, better send for the blue print plans and material lists today. We will gladly help you get full information as to its completed cost and we promise to help you effect a great saving.

If siding, creosote dipped shingles or brick-veneer is wanted for outside walls write us your requirements and we will quote prices accordingly. Any Harris Home can be reversed.



FIRST FLOOR PLAN



SUGGESTED
SECOND FLOOR PLAN

Harris Home No. B-2000

The Size
28 ft. x 28 ft.

8 Rooms
and Bath

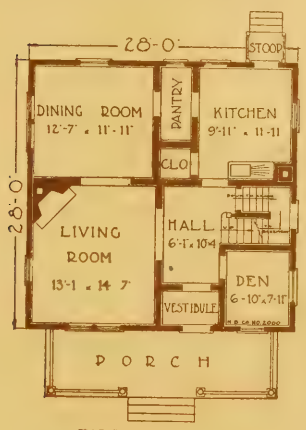
PRICE
$2598

THE most striking impression you receive in a passing glance at this Harris Home is the perfect balance and trim appearance, as one man said: "It's good to look at but better to live in."

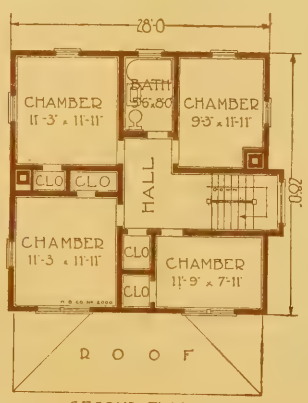
Here is a modern home with character where both the quality and interior arrangement, at their best, are strongly represented. Add to this splendid array of features the economical advantages of "The Harris Way" Improved Ready Cut system where no material, time or labor is wasted. You will then understand why this home is so popular. Comfort, convenience and health have been the aim of our designers. The windows are many and properly situated to give an abundance of light and ventilation.

Utmost care has been exercised in this home, as in all Harris Homes, to avoid all impractical expensive construction. As a result these homes are offered at unapproached prices. Special attention is called to the convenience of the ascent to the second floor—notice the main stairway is reached from the front hall or kitchen. Another important advantage in this home is the proper arrangement of the rooms for economical plumbing and heating plant installation.

All complete details of construction and the material going into this Harris Home can be had by taking advantage of our liberal offer of Free Plans as outlined in the preceding pages of this book.



FIRST FLOOR PLAN



SECOND FLOOR

Harris Home No. B-2001

The Size
20 ft. x 28 ft.

6 Rooms
and Bath

PRICE
$1980

HERE is a Harris Home that is very popular indeed. Justly so because of its attractive exterior and unusually well planned interior. Not an inch of space is wasted. No nooks and crannies to hide away dirt and vermin. Just a nice, clean, substantial looking home. When built "The Harris Way," stays well built and remains a high valued property indefinitely.

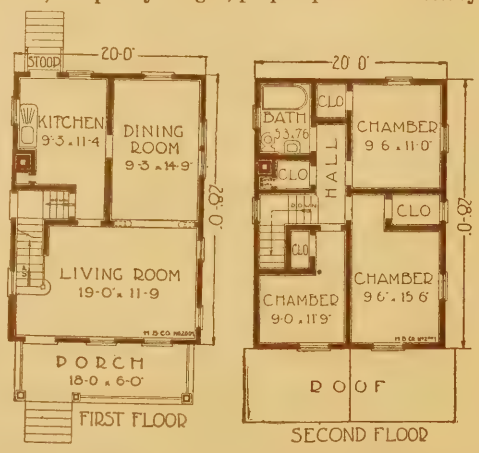
The delightful possibilities of this handsome living room, with its semi-open stairway is apparent to every woman. The proper placing of doors and windows assures plenty of light and ventilation and you see at a glance its necessary accommodation for your furniture. The cased opening between the living room and dining room adds to the hospitality of these two real "Living Rooms."

Viewed from every angle the kitchen indicates that convenience has been the watchword. A swinging door between the dining room and kitchen, another door connecting the kitchen and living room, and plenty of light, proper space for necessary kitchen furniture, access to the basement and stoop, all mean time and steps saved in this busy workshop of the home.

Upstairs there are three fine bedrooms, and the bath directly over the kitchen, reducing the cost of plumbing installation to a minimum. And such closets! They alone are enough to win any woman's heart, but don't overlook the clothes chute right in the linen closet. This home can be economically heated and requires but one chimney flue.

Like all Harris Homes, this is a substantial house, built of high-grade guaranteed material—a lasting monument to the good sense and good judgment of the owner, and a paying investment.

Admirably suited for a 25-foot lot. Grade entrance, giving access to kitchen and basement. Handsome semi-open stairway in the living room.



Harris Home No. B-2002

The Size
34 ft. x 22 ft.

7 Rooms
and Bath

PRICE
$2539

HERE is a superior type of modern colonial home—just the right size—not too large and not too small. Can be economically built and maintained after it is built, a point that is generally overlooked or found out when it is too late. This design will stand out boldly no matter where built, bespeaking solidity, comfort and convenience, rather than the gaudiness and show, at the expense of the former.

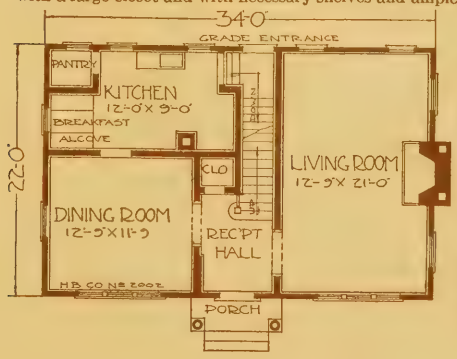
Massive columns supporting the entrance porch, give a splendid first impression of the good things that are to follow.

The reception hall is large, has a good sized clothes closet and just enough of the stairway is open to break the monotony.

We pass through a handsome pair of French doors into the living room, with its cheerful fireplace, with space galore for furniture, piano, victrola, bookcases, and other furnishings that go to give a room a homelike appearance.

Exit to the rear is made from the kitchen through the grade entrance or to the basement stairs. The dining room is also separated from the reception hall by a pair of French doors and a double action door separates this room from the kitchen. The kitchen is laid out for every convenience.

Upstairs we find four large bedrooms, all directly connected to a central hall, each with a large closet and with necessary shelves and ample windows for light in every direction, as well as ventilation. The bathroom is of good size and conveniently located.



FLOOR PLAN

SECOND FLOOR PLAN

Harris Home No. B-2003

The Size
24 ft. x 30 ft.

7 Rooms
and Bath

PRICE
$2597

CAN you imagine a more attractive home than the one shown above? The exterior, a combination of siding and shingles artistically finished with three coats high quality paint that we furnish with every Harris Home. Imagine this house painted say—canary yellow body, soft brown shingle stain above belt course, with white trim, and it brings out the distinct architectural beauty of this home.

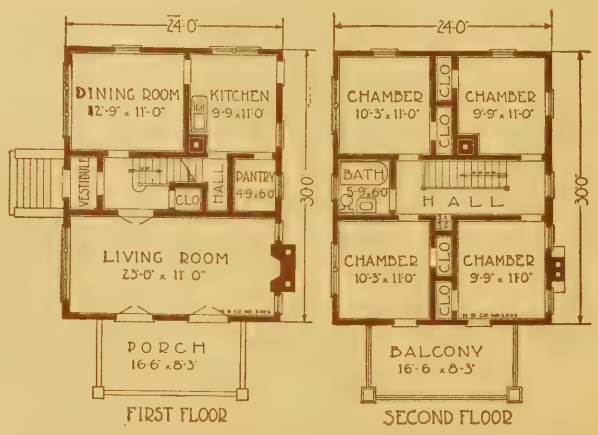
In designing this home, our architects were most generous in the amount of space allotted for porches. The private porch may easily be screened or fitted with glazed sash, as it has no fancy curves or shingles.

The interior arrangement is decidedly original, this you realize immediately after entering the imposing front entrance and passing through a vestibule into the reception hall. Of course the elegant open stairway and necessary coat closet are first to be admired. Glancing through the French doors to the right the fireplace gives a sprightly air of "Home Sweet Home."

The many windowed dining room and cheerful kitchen will please every housewife, also the large pantry and convenient stairway to cellar.

On entering the reception hall one desires immediately to mount the stairway, it is so inviting. Now let us view a most conveniently arranged second floor. A linen closet is essential. You will find it there and the bath also accessible from all rooms. Every one of the four chambers are spacious, all have large closets with plenty of shelving.

Words cannot describe the real value and benefits that can be derived from such a well arranged home, so if you are attached to any part of this Harris Home, read our Free Plan Offer in the preceding pages of this book.



Harris Home No. B-2004

The Size
24 ft. x 28 ft.

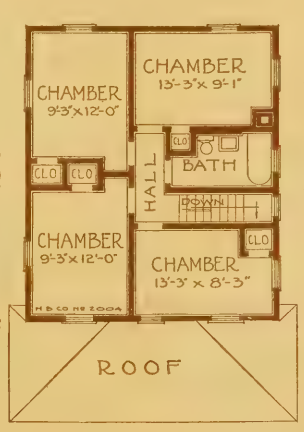
7 Rooms
and Bath

PRICE
$2344

"BUILT on the Square"—is there a better or truer description of this house? You know before you even glance at the plan that there is not one inch of space wasted.

The first outside detail to merit attention is the clear span front porch, the substantial colonial columns carrying out the "Square Built" plan. A belt course breaks the plainness of the exterior wall and individual taste can be used in painting the upper half a different color or shingles can be used to the belt line.

FIRST FLOOR PLAN



SECOND FLOOR PLAN

The reception hall shows an inviting glimpse of the stairway and the coat closet—such a convenience—should not be overlooked. An attractive cased opening divides the parlor and dining room as well as the reception hall and parlor. While you may have appreciated the window arrangement from the outside, to be most appreciated they must be seen from the interior. The arrangement of the kitchen and pantry is ideal. The inside cellar stairway has a landing and grade door, which is a great convenience and should not be overlooked.

The plan of the second floor meets your expectation. Four large bedrooms and the bath opens out of a central hall. No crowding of furniture is necessary—each room has its closet and the same ideal arrangement of windows for proper lighting and ventilation is apparent in all rooms. If this house appeals to you be sure and read our Free Plan Offer.

Harris Home No. B-2005

Size 36 ft. x 30 ft.
Inclusive of Addition

7 Rooms
and Bath

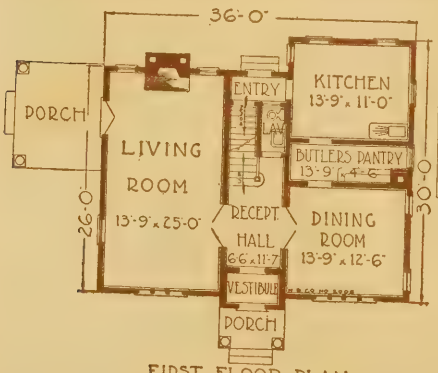
PRICE
$3182

CAN'T you fancy the feeling of pride and satisfaction as you drive up to this beautiful Dutch Colonial home on a sunshiny day, the flowers in bloom, the children welcome you with their joyous shouts as you "skoot" the car into the driveway? You jump out on the porch, and as you walk into the living room you cannot help but be impressed with its spaciousness, its cheery fireplace at one end flanked on either side with a casement sash and at the other end by a triple window through which the flowers peep up from the flower boxes, and next you spy the handsome French doors separatiug this room from the reception hall — you are carried away with its beauty.

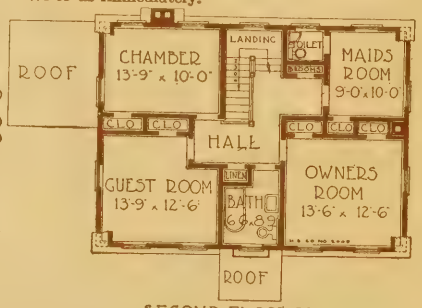
To the right is the dining room, just the right size, properly laid out and separated from the kitchen by a butler's pantry. The kitchen, big enough for the largest family, plenty of space for everything, windows conveniently placed, providing more than the necessary light and ventilation, in fact, this holds good throughout the entire house.

Up an easy stairway we go and find an ideal second floor. The bedrooms are large, plenty of closets, bathroom bright, sweet and clean, the Maid's room with wash stand and toilet all its own. Owner's room has two closets. A linen closet and broom closet is also provided, and now, what is there left to be desired? Nothing, but to send for the Blue Print Plans right away.

Read our interesting Free Plan Offer in the first pages, the wonderful advantages of the "Harris Way" and do not overlook the millwork and interior furnishings shown on last pages. Write us immediately.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

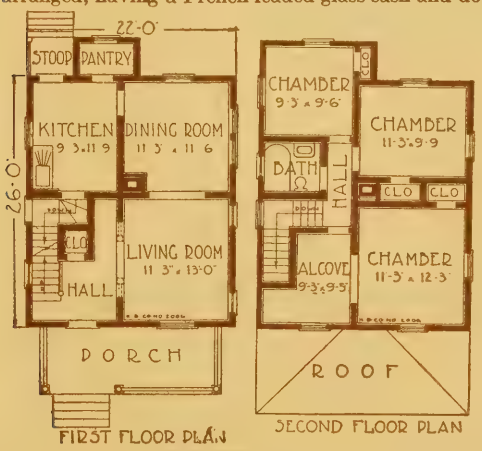
Harris Home No. B-2006

Size 22 ft. x 32 ft. Inclusive of Addition — **7 Rooms and Bath**

PRICE $2120

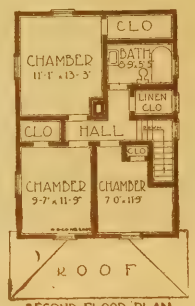
THE popularity of homes with the charming features of a bungalow has developed this pleasing design. It has been well planned, having reception hall, living room, dining room, kitchen and pantry on the first floor, with three ample sized chambers and alcove chamber as well as bath and spacious closets on the second floor. Note the spacious, full width porch extending the entire width of the house, with its harmonious roof supported by three columns.

Front entrance is made directly into the reception hall; note the very desirable coat closet as you enter; the living room is separated only by a cased opening; thus the two compartments are practically both thrown into one large living room. The stairway is open part way to landing. Dining room lighting is attractively arranged, having a French leaded glass sash and double two-light windows on side so as to give a beautiful interior effect. We also call attention to the grade door on the left side, which gives access to the cellar and kitchen. The stairs l and on the second floor, practically in the center of the house, making access to all rooms and bath very convenient.



All the material for this unusually neat house is of the best quality and all interior finish and floors clear stock. "The Harris Way," Ready-Cut system eliminates all waste of material, time and labor. The design is also well arranged for plumbing fixtures; properly planned in compact form for economical heating.

FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-2007

The Size, 21 ft. 4 ins. x 30 ft. **6 Rooms and Bath** **PRICE $2170**

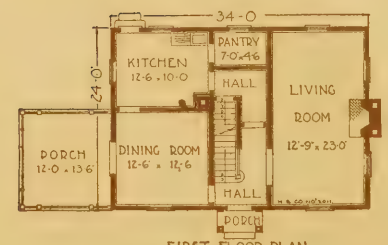
A NEAT, comfortable and substantial appearing house. All rooms are of ample size and planned with a view to economy as well as usefulness.

This design is entirely suitable for either country or city lot and as a home or investment should yield excellent returns, as the price is certainly within the reach of all.

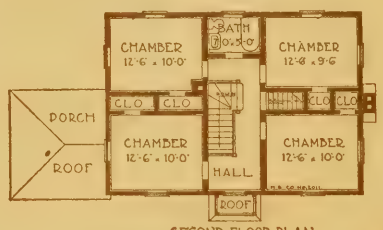
Harris Home No. B-2011

The Size, 34 ft. x 24 ft. **7 Rooms and Bath** **PRICE $2987**

Our thoughts are carried back to the charm of old New England in Colonial times with this interesting picture. The wide lap siding, pure white, with only a touch of color in the green shutters, which can be furnished if desired and the trellised porch all blend in the harmony of this truly classic home. The large attic in colonial times was often used for spare bedrooms. Probably now it serves best for storage space.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-2008

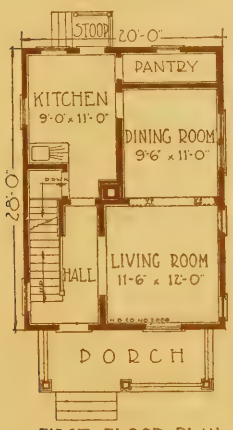
The Size
20 ft. x 28 ft.

6 Rooms
and Bath

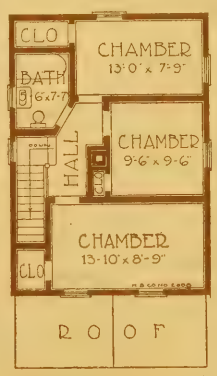
PRICE
$2028

THIS Harris home has been developed along the lines of a modern home and provided with every essential convenience possible in the limited space available. There are three good sized rooms on the first floor, in addition to the front hall, and so arranged as to make communication between them especially easy. On the second floor, we have three bedrooms and bath, besides the usual closets. Also the large front room can be divided so as to have a child's room or sewing room by merely moving one partition and adding one door, the extra cost of which would not amount to over ten dollars.

This is also a house that can be changed into a two-family house at very little extra expense, leaving three rooms on the first floor, and by placing a partition in the large bedroom upstairs giving four rooms on the second floor. Changing this house so as to be suitable for two families would cost little extra, compared to the income it will bring.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

With a chimney placed in the center of the house, all rooms may be easily heated in the most economical manner either by stove or heating plant.

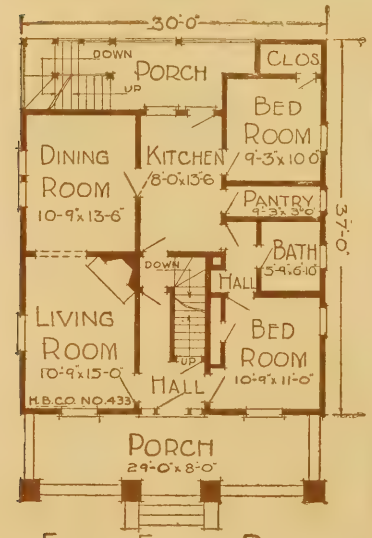
The price at which we are selling the material for this design is exceptionally low and will enable anyone to secure a comfortable and modern home for very little money. The material we furnish is of a quality that is in keeping with the general character of the design, Improved Ready-Cut, "The Harris Way," for great economy in time, material and construction.

The low prices on complete plumbing equipment and heating plants for this home will interest you with their big savings.

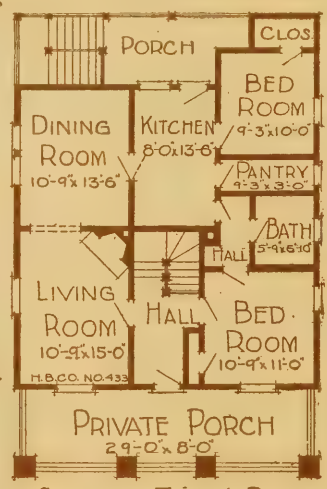
Two-Apartment Home No. B-2010

The Size	5 Rooms each and Bath	PRICE
30 ft. x 37 ft.		$3267

HERE is a two-family building which has been evolved from ideas and suggestions we have been collecting for some time. A building of this kind is a much better investment than two separate houses. All of the unpleasant features of the ordinary two-flat building have been carefully avoided. A building of this kind will rent quickly and stay rented. The owner can live in one of the apartments and collect good rental from the other.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

The combination of bevel siding and wood shingles, with extra clear 5/2 red cedar shingles specified for the roof, produces substantial and artistic effects. The porch is unusually handsome and impressive, and it is just as practical as it is impressive. The arrangement of rooms is novel and original, too. On the first floor direct access to all rooms and the basement is facilitated by the well planned central hall. The spacious living room and dining room are connected by a wide cased opening. The back porch has been well planned, leading directly downward to the basement.

The interior has beautiful doors and trim. Complete plans for this building are offered as fully explained in the first pages of this book.

Harris Home No. B-2012

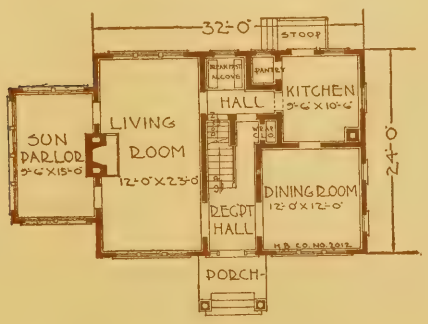
The Size
24 ft. x 32 ft.

6 Rooms, Bath and Sun Parlor

PRICE
$2995

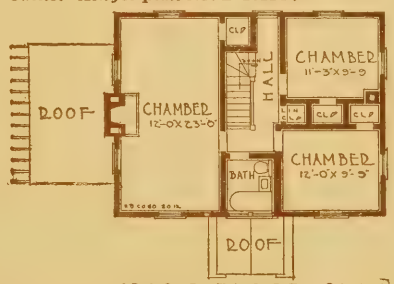
A DUTCH Colonial Home has many advantages over other types of houses both in appearance and available room space. Here is a truly typical one emphasizing all the lines which make these houses so attractive.

One of the most attractive features of this home is the generous sun parlor with its many French windows. It will be the gathering place of the family, warm and sunny in the cold winter days and yet open to the cool breezes in the summer. Also the cozy breakfast nook so necessary for modern convenience. All second-floor rooms have square ceilings. The lot should be 50 ft. wide. For west frontage, order house reversed.



FIRST FLOOR PLAN

We have also planned the second floor of this home with four chambers and two baths. Ask for plan No. B-2012B.



SECOND FLOOR PLAN

Harris Home No. B-2013

The Size
22 ft. x 36 ft.

6 Rooms, Bath and Sun Parlor

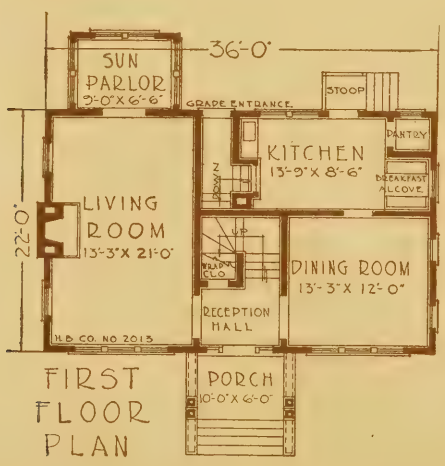
PRICE
$2675

REFINEMENT and beauty characterize every line of this Typical American Home. A combination of Colonial elegance with the sturdy structure of our present day.

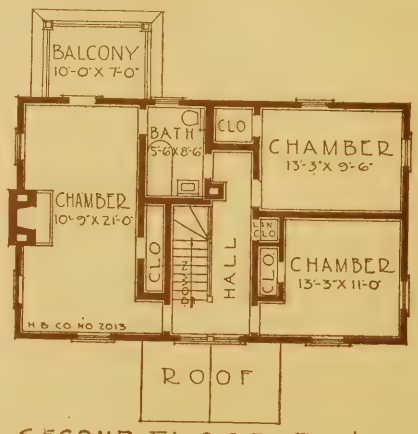
The wide clapboards of the lower portion with the Queen Anne windows set in their white frames are truly colonial, while the stucco above, protected by the graceful overhanging roof, which in turn is relieved of monotony by the well-proportioned dormer, gives the necessary touch of modern design.

No interior room arrangement is complete without a useful Breakfast nook, a cozy sun parlor and a sunny airing porch.

The grade entrance is also a convenience and an economy, saving the cost of an outside basement entrance. Order reversed if your lot faces west.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-2014

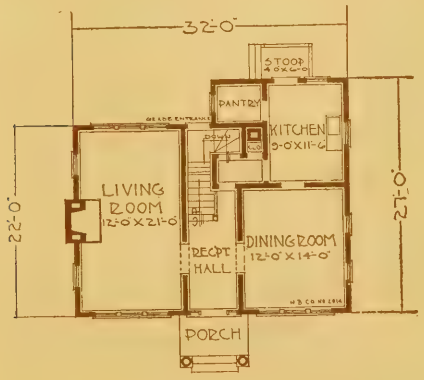
Size 32 ft. x 22 ft. with Addition — **6 Rooms and Bath**

PRICE $2616

THE picture of this true Dutch Colonial tells the story better than words. This is a Colonial period of architecture, you see them being built in all the best residential districts and this one surely stands out very prominently.

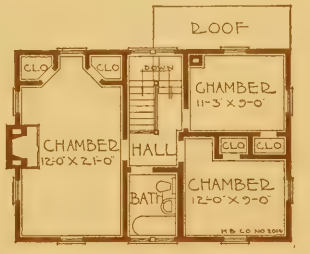
If the exterior impresses you, we dare say you will agree with us that the interior is most ingeniously divided. The large reception hall is in keeping with the dignified exterior. The many-windowed dining room has a swing door to the kitchen from which a pantry opens.

The three bedrcoms are plentifully supplied with windows. The outstanding feature of the master chamber is the individual clothes closets. The bathroom is large and accessible from all bedrooms thru the central hall.



FIRST FLOOR PLAN

For those desiring four chambers on the second floor we have planned a very convenient arrangement. Ask for plan No. B-2014B.



SECOND FLOOR PLAN

Harris Home No. B-2015

Size 28 ft. x 32 ft.
Inclusive of Addition

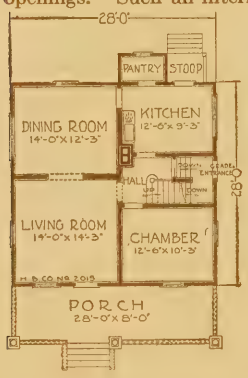
8 Rooms
and Bath

PRICE
$2728

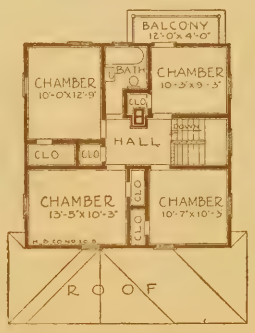
THIS HARRIS home with its air of neatness and substantiality is a splendid example of square house planning. Designed without bays, angles or unusual projections it has been planned without loss of space; can be built with great economy with material Improved Ready Cut without waste "The Harris Way."

The roomy porch is supported by colonial turned columns resting on brick, cement block, or concrete piers. Siding is used up to the second story windows and from there on, shingles. Note the grade entrance on the side of the house with steps leading up to the hall and down to the basement. The location of the chimney simplifies your heating problem. The front chamber is often used as a library or music room. When you once have an arrangement such as this you could not get along without this general purpose room on the first floor.

The living room, dining room and stairhall are connected by wide cased openings. Such an interior as this can be altered in many a pleasing arrangement with little or no expense.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

The stairway leads you to a hall in the center of the second floor. Here you find the bathroom and entrances to the four large bedrooms. They are all well lighted by plenty of windows and provide an abundance of fresh air. Closets of ample size are located in each bedroom. Your special attention is called to the balcony just off the rear bedroom on the right. This may be converted with the use of an awning into an ideal sleeping porch. Although we do not show attic in this plan, extra material can be furnished for an extra charge.

Harris Home No. B-2016

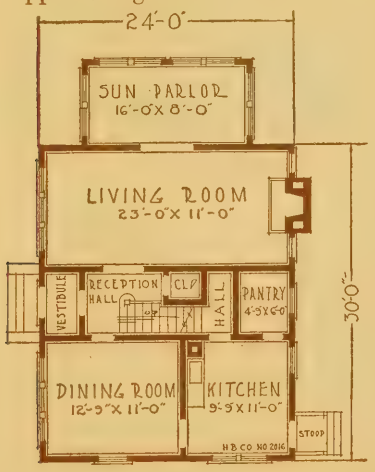
The Size
24 ft. x 30 ft.

7 Rooms, Bath and Sun Parlor

PRICE
$2590

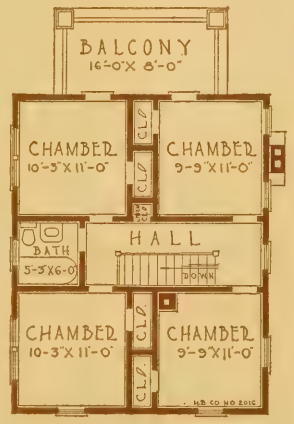
AN artistic full two-story residence with an air of dignity and sterling worth, combining exterior beauty and modern interior convenience. This is a splendid design for a corner lot and equally satisfactory when a wide inside lot is used.

Although designed to have plastered walls on first floor with creosote dipped shingles on second floor we can furnish the walls entirely of shingles or siding or a combination of both.



FIRST FLOOR PLAN

If this design will fit your lot and suits your requirements we recommend that you send for the blue print plans and material lists. We will prove by figures and facts that you can save considerable money if you build this Harris Home.



SECOND FLOOR PLAN

Harris Home No. B-2017

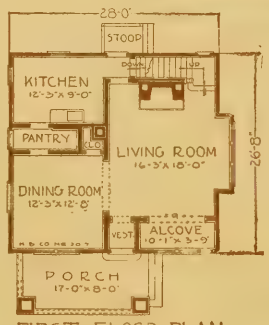
The Size 30 ft. x 26 ft. 8 in. Including Bay — **7 Rooms, Bath and Alcove**

PRICE $2428

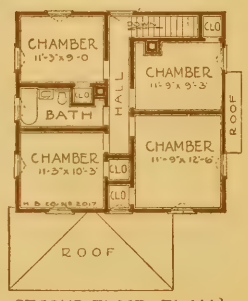
HERE is a home that anyone could feel justly proud to own. The straight lines and massive proportions create a substantial and dignified exterior—truly a modern American design. The stucco panels between the second floor windows and siding below the belt course, unite in a pleasing contrast.

From the porch we enter a vestibule properly located for direct access to both the living room and dining room. Note the alcove to the right of the vestibule. There is a convenient step-saving arrangement in the kitchen and dining room—the well-lighted butlers' pantry, large kitchen with windows, doors and wall space arranged for the best location of the sink, table, range, etc.

The stairway to the second floor leads into a central hall. Here we find a good sized bathroom and four bedrooms, each with a clothes closet of ample size. Perfect light and ventilation is assured by the number and location of windows—one at the end of hall lights the stairway.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

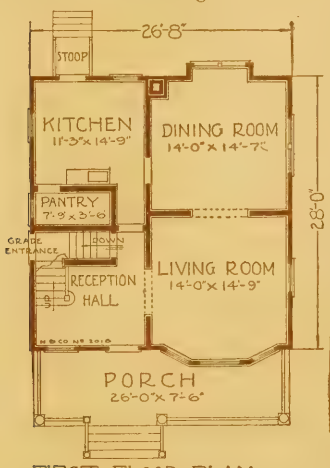
Harris Home No. B-2018

Size 26 ft. 8 in. x 30 ft. 10 in. Including Bay — **7 Rooms and Bath**

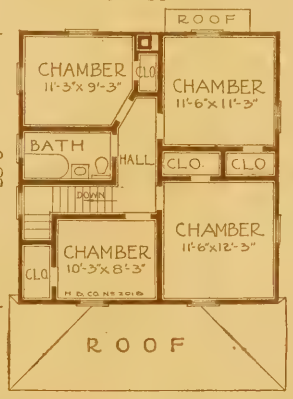
PRICE $2478

AN ELEGANT home. Look at the generous porportions—can you imagine just what a big roomy house of this kind would cost you if built under old-time expensive methods? The Harris way of supplying material Improved Ready Cut, our tremendous lumber and manufacturing facilities, explains in part how we make this big saving for you.

All the comforts and conveniences of a well-ordered home are here. The porch extends across the entire front of the house. On the lower floor we have reception room, parlor, dining room and kitchen. The dining room is at the rear with double windows on two sides. There are four bedrooms upstairs and a large bathroom. The bedrooms are all of good size and arranged without waste of space, all opening conveniently to the bathroom and hallway. Each room is abundantly supplied with closet space.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

There is an outside door at the grade line, giving easy access to the basement from outside and inside.

Economy in the saving of plumbing material and perfect heating plant installation has been given careful attention. Note the perfect arrangement of rooms for this purpose.

You can get all details of material and construction, with scale plans, by taking advantage of our liberal Free Plan Offer outlined in first pages of this book.

Harris Home No. B-2022

Size 26 ft. 10 in. x 33 ft. 6 in. Inclusive of Bays — **7 Rooms and Bath**

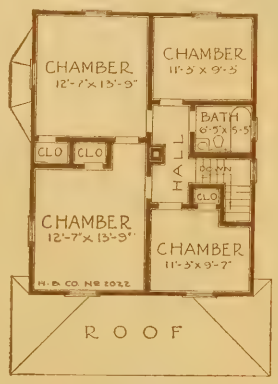
PRICE $2556

A PLEASANT, inviting Harris Home. The graceful roof with its wide flaring eaves and uniform porch roof gives an air of perfect harmony. Note the roomy full width porch supported by stately columns; the front and side bay windows properly placed for perfect light and ventilation.

The first story is finished with beveled siding—the second story, shingles. Of course, this may be changed to suit your desires. Remember, where wood shingles are furnished for outside wall, we always supply creosote stain for dipping shingles before applied. The rooms are generous in size and arranged for utmost comfort and convenience. The large cased openings between the dining room, living room and reception hall complete the spacious effect of the interior and give a clear view to the handsome modern stairway leading to the second floor.

The landing on the second floor ends in a hall properly situated at the center of the house—no waste room in long halls and no dark corners. Direct entrance to this hall is had from the bedrooms and bathroom. Plenty of windows for fresh air and light.

Sometimes an attic is very desirable when there is plenty of room and the extra material will not cost a great deal. Let us know what you need.



SECOND FLOOR PLAN

FIRST FLOOR PLAN

Harris Home No. B-2024

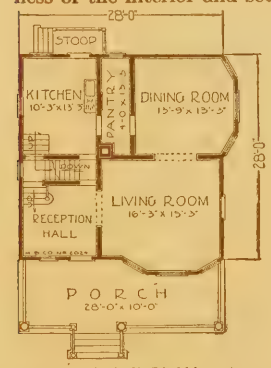
The Size
30 ft. x 30 ft., including Bays

7 Rooms and Bath

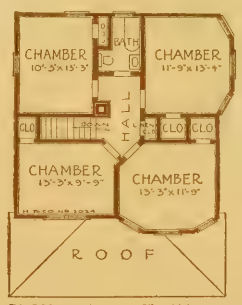
PRICE
$2669

HERE is a real home—a plan designed with purpose. Nothing overlooked, nothing slighted. A design unsurpassed in comfort, convenience and roominess. This is really a large home planned to accommodate a large family and yet it can be built at a surprisingly small cost—with material Improved Ready-Cut without waste, "The Harris Way." See the full two-story bay windows at front and sides, the handsome dormer, the massive colonial full width porch, and the roof with its wide projecting eaves. These desirable features create an inviting and substantial appearance.

Entrance is made from the porch to a convenient reception hall. From this hall you can proceed directly to the main stairway and the upper floor or straight back to the kitchen without entering the other rooms. Just to the right we enter the large commodious living room. Beyond the living room we have a dining room of ample size. The pantry is placed between the kitchen and dining room with swinging doors. The basement stairs lead from a hall off kitchen, and you must surely note the steps from kitchen direct to second floor, it saves many steps for the housewife. The large case openings between the dining room, living room and hall add greatly to the roominess of the interior and set off the splendid main stairway admirably.



FIRST FLOOR PLAN



SECOND FLOOR PLAN

The landing of the stairway to the upper floor is directly in the center of the house. The bedrooms are properly situated and designed with windows properly placed for perfect light and fresh air. Note especially the two large bedrooms taking in the second floor bay windows. Many commendable points will be found in this design that assures utmost comfort and perfect arrangement without resorting to a freakish, poorly balanced exterior. Plenty of room for attic if it is desired. The extra material costs but little.

Harris Home No. B-2028

Size, 24 ft. x 31 ft. 4 in. Inclusive of Bays — **7 Rooms and Bath**

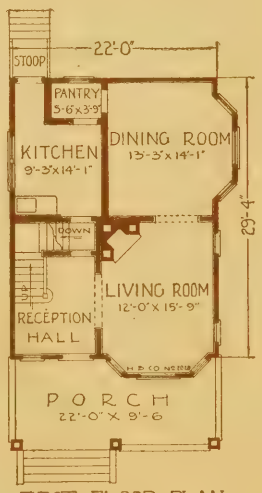
PRICE $2223

EVERYTHING about this design, from the imposing stucco exterior to the most minute interior details, shows the extreme care and study of our designers. The massive porch across the entire front, the solid looking roof dormer and the wide projecting eaves create a substantial and lasting appearance. Viewed from any angle this design is very impressive. With the many advantages gained through our years of careful study you can build and own your home with great economy.

A glance at the floor plans shows seven rooms, hall, pantry, bathroom and four closets, modern and convenient in arrangement. From the spacious full width porch entrance, we proceed into the hall at the left of the living room. The living room is well lighted by having five windows. To the left of the dining room is the kitchen and between these rooms a pantry. There is a door leading from the kitchen to the back porch and a door forward into the hall for outside cellar stairway.

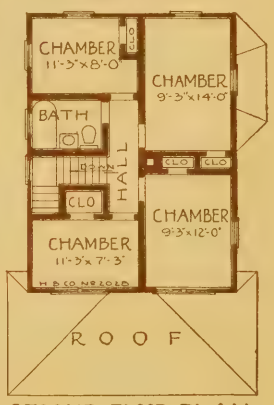
The second floor has four bedrooms of good size, well lighted and ventilated. Doors from all bedrooms lead directly into the hall. The closets are properly and conveniently placed.

Material for this home furnished in accordance with Harris Home Specifications. Remember, this house is sheathed with building paper and Byrkits lath, as it is designed for stucco plaster exterior. If box sheathing and bevel siding is wanted then there will be a slight extra charge.



FIRST FLOOR PLAN

Beautiful Lighting Fixtures for Every Purpose at Very Low Prices



SECOND FLOOR PLAN

Harris Home No. B-2030

Size 26 ft. 6 in. x 36 ft. 6 in. Inclusive of Bay — **7 Rooms, Bath and Reception Hall**

PRICE $2723

HERE'S "something different" from the general run of two-story one-family residences—unusually good proportions and balance have been attained. Note the substantial treatment of the spacious front porch with its roof, supported by massive round Colonial columns. Viewed from any angle the perfect symmetry and impressive lines make it an ideal home for any location.

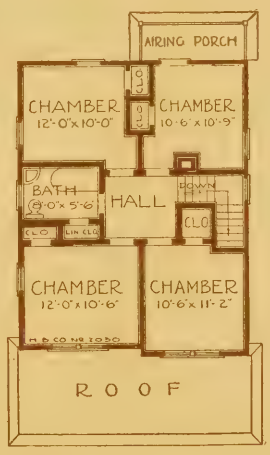
Entering the reception hall a splendid view meets the eye. Just ahead the beautiful modern stairway and to the left the wide cased opening leading to the spacious living room. The reception hall is well lighted and made attractive by a leaded glass window. Note the convenient coat closet just off the hall. Here we notice a convenient common sense arrangement—without disturbing the living room or dining room, entry from the front can be made direct to the second floor, kitchen or basement. The living room and dining room are large and well lighted with well placed bay windows.

Direct exit from kitchen is had to the back porch, and well planned grade door at side.

The bathroom is properly located—handy to all bedrooms and the first floor. There are four large bedrooms with an abundance of closet space. Note the airing porch off the rear bedroom—can be used as a sleeping porch.

We furnish creosote shingle stain for dipping wall shingles, but of course we will give you bevel siding and painting materials for 3-coat job without extra charge.

FIRST FLOOR PLAN



SECOND FLOOR PLAN

Harris Home No. B-2031

Size 30 ft. x 36 ft. 8 in. Inclusive of Bay — **9 Rooms and Bath**

PRICE $2995

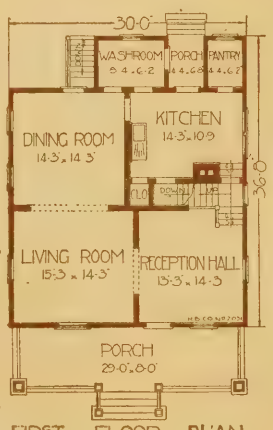
THE culmination of suggestions received from many farm and country folks, through a period of several years, are embodied in this home and incorporated in this plan. Inspect the floor plans—read the splendid arrangement of the interior and learn why this is the model farm or country home.

We will start in the basement, which extends under the entire house; the portion under the rear porch and pantry could be utilized for Root Room and coal storage. Note how exceptionally well lighted this basement really is, there being five large cellar windows and outside cellar door complete with frames which are a part of our proposition. The inside stairway leads from the basement, a hall off the kitchen.

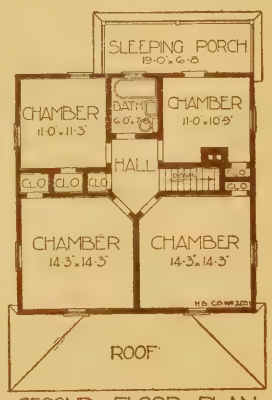
On the first floor we find four conveniently arranged main rooms with a very large wash room, a handy kitchen closet for brooms, pots and pans, and a very large pantry, and, best of all, a stairway leading to second floor directly from the large well arranged and lighted kitchen. Think of the steps saved for the busy housewife.

From the front parlor or reception room we can also ascend the magnificent open stairway which leads us in the center of second story to a hall from which we have direct access to all four large bedrooms, bath and linen closet. Note the splendid airing porch, which, with an awning or an inexpensive covering, could be used as a sleeping porch.

There is an abundance of space above the second floor rooms. If an attic is desired, let us quote prices for the attic material. You will be surprised when you find out what a tremendous amount of floor space can be had for a small amount of money.

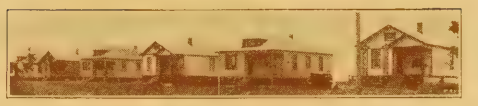


FIRST FLOOR PLAN



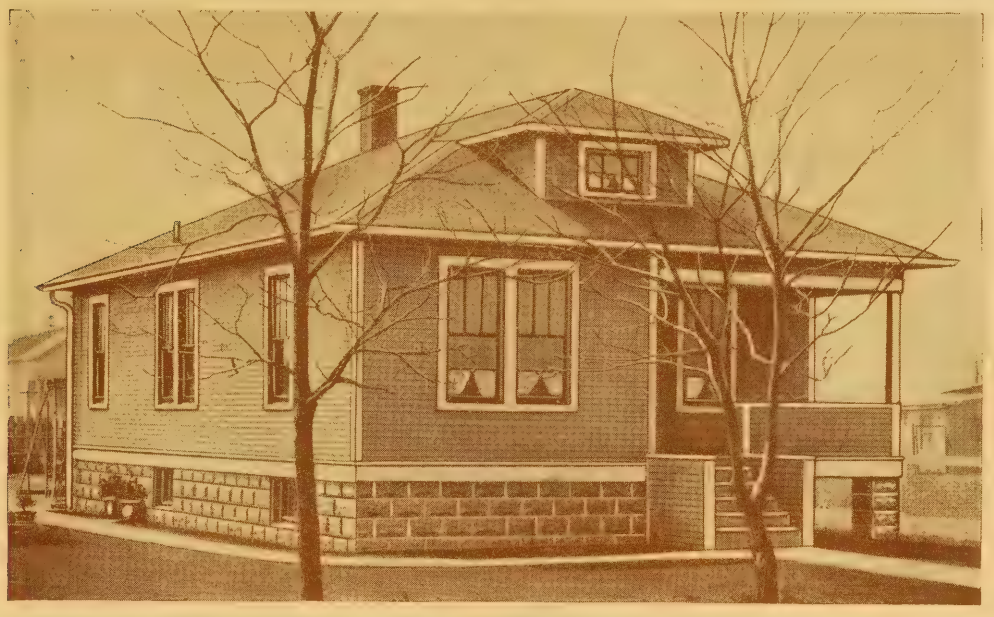
SECOND FLOOR PLAN

HARRIS

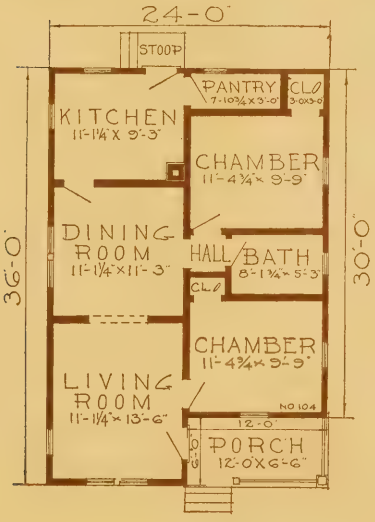
ECONOMY  HOUSES

FOR HOME BUILDERS WITH LIMITED MEANS

SOUND CONSTRUCTION—GOOD MATERIALS—DOUBLE WALLS AND FLOORS—READY CUT—A PERFECT FIT GUARANTEED



The Size 24 ft. x 36 ft. **ECONOMY HOUSE 104** 5 Rooms Bath & Pantry



FLOOR PLAN

SEND FOR SPECIFICATIONS

PRICE $1045

YOU can build this modern bungalow at a surprisingly low cost—yes and even during your leisure moments if you are determined to own a home.

We furnish every needed item (including foundation posts with 6x6 sills) clear up to the ridge of the roof. All framing material accurately cut to size ready to nail together.

Bestwall Plasterboard (better than lath and plaster) and even the wallpaper for all rooms. Doors, Windows, Nails, Building Paper, Hardware, Paints, and Varnish but no Plumbing or Lighting.

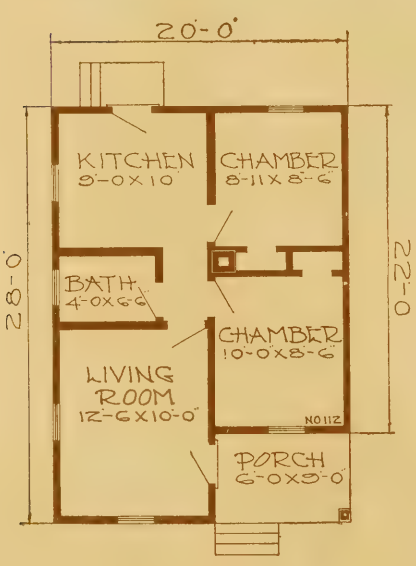
HARRIS

ECONOMY HOUSE No. 112

The Size
20 ft. x 28 ft.

PRICE $769

4 Rooms
Bath and Closets



FLOOR PLAN

ANY PLAN REVERSED

THE best bargain ever offered in a 4 room house! All material including Cedar foundation posts to complete this home including plasterboard, wallpaper and to the minutest detail, such as coat and hat hooks, etc., all furnished in guaranteed quantities. Exceptionally high quality throughout.

Two carpenters can assemble the accurately cut material we furnish according to our free plans in 3 weeks time.

If more room is needed later a 12 foot addition on one end would give you 6 rooms.

HARRIS

ECONOMY HOUSE No. 293

The Size
28 ft. x 20 ft.

PRICE $875

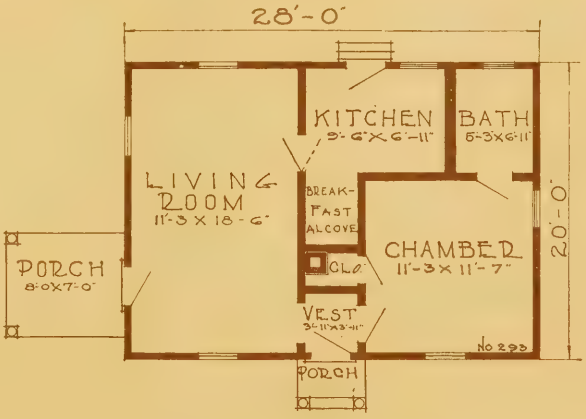
All Conveniences
of a 4 Room Flat

ONE of our customers had ten suburban lots to sell. We suggested that he build this Colonial type cottage and he did. All were sold before they were finished.

Erection cost is very low with our Guaranteed Ready Cut Materials. Why not build one on that vacant lot—you will double your money.

Come in or write for detailed information. Our experts are waiting to serve you.

"HOME SWEET HOME"



FLOOR PLAN
PLANS ALTERED TO SUIT

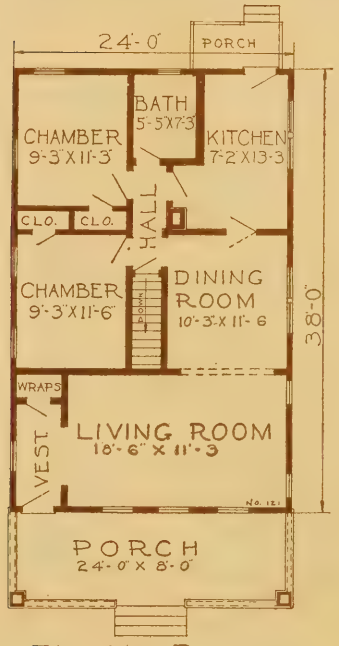
HARRIS

ECONOMY HOUSE No. 121

The Size
24 ft. x 38 ft

PRICE $1498

6 Rooms
Bath and Closet



FLOOR PLAN
ALSO FURNISHED IN 6 ROOMS

YOU cannot duplicate this house at anywhere near our price, quality considered. Send for detailed information and preliminary blue print plans furnished at $1.00 per set.

Homes like this one are selling for $6000 to $7000 on a cheap lot. Build it yourself with materials furnished under our broad and binding guarantee of satisfaction or money refunded and the total cost will be less than half the prices asked for a home already erected.

You owe it to yourself to investigate this remarkable offer. Send for free specifications today.

THE FOLLOWING PAGES
ARE DEVOTED TO

"PRESTO-UP"

PATENTED

BOLT-TOGETHER

LAKESIDE COTTAGES
PERMANENT COTTAGES
GARAGE COTTAGES
GARAGES
REFRESHMENT BOOTHS
CHURCHES
SCHOOLS
ETC.

"PRESTO-UP" BUILDINGS ARE NOT
"FLIMSY PORTABLE"

"PRESTO-UP" Buildings are shipped you in completed units. There is no carpenter work to be done on the job that any handy man cannot do.

"PRESTO-UP" Buildings can be erected and ready for occupancy weeks and sometimes months before a hand built building of a similar type.

More than 10,000 "Presto-Up" Buildings stand erected today.

GUARANTEE

THERE are nearly 10,000 "PRESTO-UP" Buildings erected thru-out the country, of which more than 5,000 have been erected in the Chicago district alone, and with this record you should have no hesitancy in ordering your "PRESTO-UP" Garage, Cottage or Bungalow direct from this Catalog.

We Guarantee that material, construction and workmanship will be exactly as represented—that the buildings are practical, substantial, wind, weather and fool-proof, and that any person who can read numbers and follow simple directions can put them together satisfactorily.

HARRIS BROTHERS COMPANY

TERMS: Our established terms are cash with order. Our "PRESTO-UP" Guarantee above and our General Guarantee are your protection. You run no risk in sending full remittance whenever it is convenient. It will save delays and annoyances at your end of the line.

Prices are net, not subject to discount. When it is not convenient to send full remittance, arrangements can be made to send a reasonable deposit as evidence of good faith, balance to be paid on our draft with bill of lading attached, or covered by Guarantee from a Bank, Trust Company or Building and Loan Association, acceptable to our Credit Department.

TIME PAYMENTS ON GARAGES

CHICAGO AND SUBURBS

Special time payments on "PRESTO-UP" Garages are offered to residents of the City of Chicago and suburbs within 35 miles of our plant as fully outlined in price list.

OUT OF TOWN FREIGHT SHIPMENTS

Time payments on "PRESTO-UP" Garages are also offered to residents OUTSIDE of Chicago and Suburbs on the "A" Plan described in price list.

TIME PAYMENTS ON "PRESTO-UP" COTTAGES AND BUNGALOWS

Time payments are offered to both Chicago, Suburban and Country Customers, on "PRESTO-UP" Cottages and Bungalows at the rate of 50% cash with order, balance to be paid in twelve equal monthly payments at 6% additional to the total cash price. If we are to pay the freight charges, the amount of such charges must be added to the cash payment.

ALL TIME PAYMENTS orders must be passed upon by our Credit Department and such offers are made and orders accepted only subject to their final approval. All legal charges connected with drawing papers, examination of title, etc., etc., to be borne by purchaser and to be added to the purchase price and can be included in the monthly payments.

PRICES

All prices on "PRESTO-UP" Buildings as shown on current Chicago price list and in this catalog are f. o. b. cars Chicago and do not apply to any branches. If you are outside of our Free Delivery Zone, write us for GUARANTEED FREIGHT PAID PRICES. Prices are subject to change as market conditions necessitate.

PATENTS

"PRESTO-UP" Buildings are a Patented Construction. Not patented to obtain a high price, but as a protection to you against unscrupulous imitations. Various new and improved features of "PRESTO-UP" Buildings are patented April 2nd, 1918, Sept. 3rd, 1918, March 22nd, 1921, and July 18th, 1922, and other patents pending. The right is reserved to change construction and material as improvements may necessitate.

SHIPMENTS

Safe Delivery Guaranteed

Shipments are made direct from our Chicago Plant and branches where we aim to have sufficient stock on hand to make QUICK shipments. All units are carefully marked and loaded in cars or on trucks and shipped so as to reach customers without breakage. If any parts are received broken or damaged, just have the R. R. Agent write "damaged" on the freight receipt and return this receipt to us. Tell us what we can do to satisfy you. Your satisfaction is our best advertisement.

EXPORT SHIPMENTS

Specially Packed and Crated

Buildings sent to foreign countries require special crating and an extra charge of 25% is made. On foreign shipments full remittance should accompany the order, plus freight charges to ocean port if wanted shipped "Prepaid", or you may remit 50% of the total price and designate any Bank in the United States where balance can be collected with shipping document attached.

ERECTION CONTRACTS

We will accept orders for erecting "PRESTO-UP" Garages in Chicago and suburbs only. (See price list.) Estimates for erecting Houses will be furnished and orders accepted, subject to work on hand. Erection costs are usually payable 50 % with order, balance when workmen finish erecting. All work guaranteed.

"PRESTO-UP"

PATENTED

BOLT-TOGETHER

PERMANENT

BUNGALOWS—LAKESIDE COTTAGES

and

BUILDINGS FOR ALL PURPOSES

"PRESTO-UP" Buildings are not to be confused with our Ready-Cut Harris Homes Beautiful. All "PRESTO-UP" Buildings are completely manufactured in sections at our factory in Chicago and can be assembled on the ground in quick time by inexperienced workmen.

There are practically no limitations for which these buildings may be used, but the main purposes for which they were designed are briefly summarized as follows:

No. 1—For the man who intends building a home, but is unable to build the more elaborate type of house, he will find a "PRESTO-UP" Bungalow will make a comfortable, attractive, well-built and practical home in every respect.

No. 2—For the man in an out-of-way locality, where it is difficult to secure material and skilled building tradesmen, he will find that "PRESTO-UP" Buildings will solve the problem. A complete house can be loaded on trucks, delivered to destination and erected in many cases not longer than three or four days.

No. 3—For the man who is building a Lakeside Cottage, he will find that a "PRESTO-UP" Cottage can be erected by himself with the aid of a few friends over a week-end. He can avoid the usual delays and expense connected with buying lumber, engaging carpenters, painters and other workmen to complete his cottages.

No. 4—For the man who intends building a garage, we can only say that there are more than 5000 "PRESTO-UP" Garages in the Chicago District alone, this should be sufficient evidence that "PRESTO-UP" Garages are practical, durable, attractive and, above all, lowest in prices. Our success is due to our policy of using first-class material thru-out, exceptionally strong methods of construction and many tested patented features of construction, enabling customers to erect their own Garages in a quick and satisfactory manner.

If you are interested in any one of the purposes for which "PRESTO-UP" Buildings have been designed, you should, by all means, read over carefully the following pages which are devoted to "PRESTO-UP" Buildings. We show in detail how these buildings are constructed and the kind of material used.

On the following pages we print much evidence of satisfaction from customers who purchased "PRESTO-UP" Buildings.

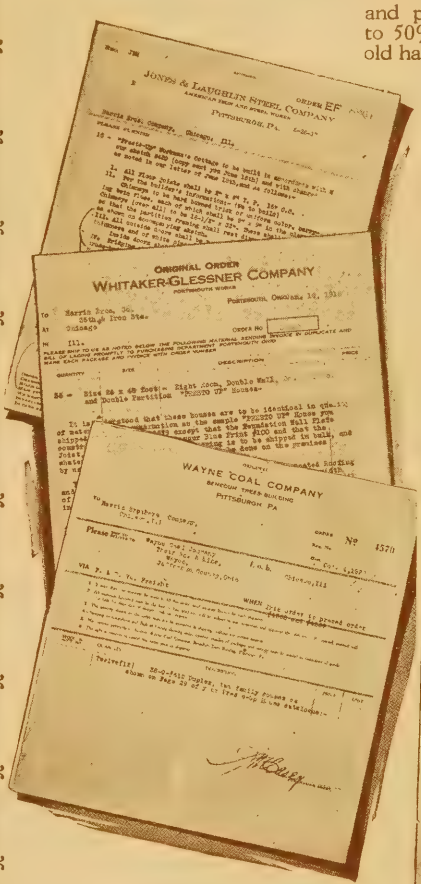
MANY REASONS WHY "PRESTO-UP" HOUSES

HAVE BEEN PURCHASED BY SUCH WELL KNOWN COMPANIES AS SHOWN BELOW

"PRESTO-UP" Cottages have been purchased by some of the largest Industrial, Steel and Coal Corporations. We show a few reproductions of orders. When you consider that these well-known corporations purchase only the best for their employees, you will quickly realize why "PRESTO-UP" Cottages have been purchased in such large quantities

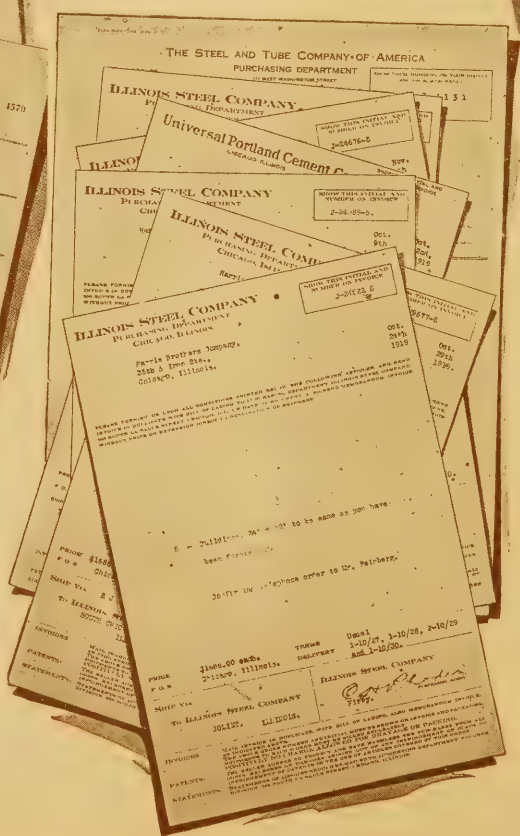
"PRESTO-UP" Buildings are the result of careful study of materials and construction—a multitude of experiments in the selection of proper materials, not only for strength but for economy in manufacturing, having in mind also ease of erection by the customer, neatness in appearance and sturdy construction.

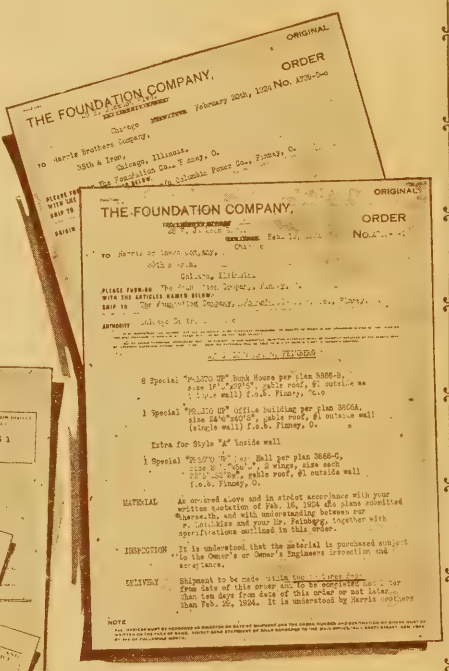
Careful study and research work brought to light many happy and practical combinations of the use of better quality materials which heretofore had been a drug on the market, and purchased by us in tremendous quantities at from 25 to 50% less than material used for the same purposes under old hand methods of construction.



To build a cottage of the same style as a "PRESTO-UP" Cottage with as good material, and as strong construction by the slow hand method would cost easily double the amount. "PRESTO-UP" Cottages are machine and template made, all work is done on "forms" that permit no error in measurements, practically no waste in material, and top speed in production. Nearly 90% of the work is machine work—electrical driven saws—borers—screwdrivers—gang drills, and a multitude of other new and improved labor-saving methods.

This saving is passed on to you in low prices and the better value in these buildings, which come to you in conveniently handled sections that can easily be bolted together, painted, all doors, windows and hardware already applied, so that within a few hours after your building is laid out on your premises it can be erected and moved into.





STRONGEST CONSTRUCTION

Away above average quality material is used in "PRESTO-UP" buildings. Clear kiln-dried Oregon Fir Siding. Much better than the usual No. 1 grade of framing lumber, and the roof boards are likewise in most instances, even better than a No. 1 grade, whereas, in the average hand built cottage only a No. 2 Common grade is used. The tremendous quantities, and the speed with which material is put through the machines—right from the car doors to the machines—prohibits re-grading, and you get the benefit of the higher grades without the higher price.

EASIEST TO ERECT

Over 5,000 "PRESTO-UP" Garages stand erected in the City of Chicago alone, and of this quantity easily 75% were erected by owners. The same holds good for "PRESTO-UP" Cottages — handy men are all that is needed to erect these buildings. We have simplified the construction so much that it makes this possible.

In designing "PRESTO-UP" Cottages, better material and heavier construction than actually necessary has been specified in many instances, so as to make it easier for the purchaser to erect. You can hardly go wrong unless you are wilfully careless. It is practically impossible to proceed in a wrong manner, because of the "fool-proof" method in which the assembling has been worked out to the last detail.

SPECIFICATIONS OF MATERIAL AND CONSTRUCTION

COVERING THE MANUFACTURE OF

"PRESTO-UP" PATENTED BOLT-TOGETHER PERMANENT COTTAGES

WE CANNOT urge you too strongly to read every word of the following specifications. It gives you a clear and complete insight into the many exceptional qualities both in material and method of construction used in the manufacture of our Patented "PRESTO-UP" Cottages. It is a pleasure to be able to print such excellent specifications; there is nothing to hide and many good things to show and that is why we do not hesitate to give you full information on the subject.

OUTSIDE FOUNDATION SILLS: For all "PRESTO-UP" Cottages are built up equivalent to a 6x8 timber of No. 1 grade Southern Pine. It is so constructed as to form a pocket for the wall sections to fit into, making the sill absolutely "watertight." This is only one of the Patented features of "PRESTO-UP" Construction.

CENTER SILL: The center sill supporting the joist is built up of strong No. 1 Yellow Pine. On cottages up to 18 feet in width, this sill is built up of two pieces 2x6—on cottages 20 feet and wider it is built up of three pieces 2x6 equal to a 6x6 timber.

FLOOR JOISTS: Are 2x8 No. 1 Southern Pine spaced 16 inches on centers. They drop into pockets in the sill and are supported by the center sill. No cutting or fitting necessary.

FLOOR SECTIONS: The flooring is 1x4 standard finish kiln-dried Clear Yellow Pine or Fir, tongued and grooved. Sections are usually 3 foot wide and the length of the room—thus joining the next section under the partition, so that no section joints show in the floor. All sections have a layer of heavy tarred felt on the under side of the boards, keeping out dampness, and eliminating the necessity of double floors.

DOUBLE FLOORS: If wanted can be ordered extra. In this case, we furnish the "sub-floor" made up in sections of common boards and furnish the finish flooring to be applied by owner on the job after sub-floor and partition sections are in place.

CORNER POSTS: Corner posts are interchangeable like the sections and when in place give a corner timber construction practically equivalent to a 4x5 timber. "PRESTO-UP" System eliminates special corner sections.

OUTSIDE WALLS: The outside walls consist of "sections" or panels made up in two and four foot widths. All wall sections are interchangeable. These "sections" or panels are made up as follows:

STUDDING: The studding is No. 1 and better grade Southern Pine, surfaced four sides, average distance apart sixteen inches. They are used in pairs every four feet where bolted together, with an additional stud in between, making three studs to forty-eight inches of wall. The studding is two by three. Two by four is not necessary in our construction on account of the three horizontal cross braces, all of which are halved and mortised at joints, give more than the necessary strength and hold the sections square and true.

CROSS BRACES: There are four two by three, and one two by four horizontal or cross braces, which are secured to the studs at the top, center, and bottom of the section by halved joints, nailed with cement coated nails. The inside of the panels when not covered with an inside wall shows a neat symmetrical distribution of framing.

SIDING FOR NO. 1 OUTSIDE WALL

Clear kiln-dried Oregon Fir Siding, tongued and grooved, beaded on the outside and beaded or planed smoothly on the inside, applied vertically. Manufactured from three-quarter inch stock finished five-eighths inches.

SIDING FOR NO. 2 OUTSIDE WALL

Clear Fir Drop Siding furnished in long lengths to be nailed to the exterior of framework of sections after bolted together—Paint included for one coat to be applied on job.

SIDING FOR NO. 3 OUTSIDE WALL

Sections made up with "Byrkits" Patent Stucco Lath. Openings are left in the outside to insert bolts.

SIDING FOR NO. 4 OUTSIDE WALL

First wall is same as No. 1 Wall described above. In addition we furnish Clear Redwood Beveled Siding either ½"x4" or ½"x6", also building paper to be nailed over the No. 1 Outside Wall. Paint included for one coat—to be applied on job.

PARTITIONS: All interior partition sections or panels are furnished made up to match the type of inside wall you ordered. If no inside wall is ordered the partitions are made up with beaded ceiling same as the No. 1 wall sections. These partitions are held firmly together by a special interlocking system, whereby they fit into the truss at the top.

TOP WALL PLATE: Fir and Yellow Pine built up equivalent to practically a four by six timber. This plate has a groove in it that drops down over the siding on the wall sections and holds it in a vise-like grip, keeping the wall in alignment. It has notches properly spaced to receive the patented "PRESTO-UP" Notch-lock truss, which locks and prevents any spreading of walls or roof.

(Continued on next page)

SPECIFICATIONS—Continued

ROOF TRUSSES: Manufactured of specially selected No. 1 grade Yellow Pine, two by fours with one by six scientific braces, reinforced with iron straps and made so as to form a notch-lock that drops into the top wall plate and holds the entire building in a firm grip. These "PRESTO-UP" trusses not only make a roof much superior to any other on the market, but make it a simple matter for any amateur to erect and make a good job of it

ROOF SECTIONS: Are manufactured of No. 1 Common Southern Pine Ship Lap. Specially beaded on the under side to give a neat and finished appearance. Roof sections are made so they will easily drop in place between the trusses, and have additional rafters on them to add still more strength. Illustrations of these trusses are given in other pages in this book.

CEILING PANELS: Ceiling panels are furnished to match same finish as inside walls and partitions—and are included regularly **only when inside walls are ordered.** Ceiling panels drop in between the bottom members of the truss which form the beamed ceiling, as shown in illustration at right. These panels may be fastened in permanently or slipped in loose so they can be taken out at will. Ceiling panels can be ordered extra without ordering an inside wall. Prices quoted on application.

ROOFING: Roofing supplied is best quality Red or Green Slate Surfaced Roofing. Guaranteed, when laid according to directions, to last fifteen years. Sufficient nails, cement, and complete instructions are included with each roll, showing the proper way to apply the roofing. Individual, Four-in-One Slab Shingles, or Roofing stamped like roofing can be had at an extra cost. Prices upon application.

DOORS: Front and rear doors are 2′ 8″x6′ 8″ glazed, and according to the style shown in the illustration of the cottage. The inside doors are usually 2′ 6″x6′ 6″. All are properly hinged and have a good quality of mortise locks, inside trim, etc., already applied in place in the sections and properly crated to protect the glass in shipping.

WINDOWS: Windows are already in the sections with glass tacked and puttied in place. They are two light Colonial Style windows; that is, there are two sashes to a window, upper and lower, upper sash divided into 6 lights. Equipped with our special design window tension and anti-rattle springs, permitting lowering and raising of both sash, with strong sash lock and lift already fitted in place for locking windows. The windows are specially rabbetted, making them more wind and weather proof than windows on ordinary houses. Sizes of window opening is 2′ 4″x3′ 10″—size of "French Window or Casement" Window opening is 2′ 8″x3′ 10″.

INSIDE TRIM: Trim around the doors and window is already applied before the sections leave our factory and is all stained a handsome Mission Brown. In all style "A" and "AP" Walls we furnish stained Mission Brown baseboard, quarter round, ceiling mould. Panel strips furnished with Style "A" wall only. Back band style of trim used throughout.

HEIGHT: The height of the wall on the inside from floor to ceiling is eight feet.

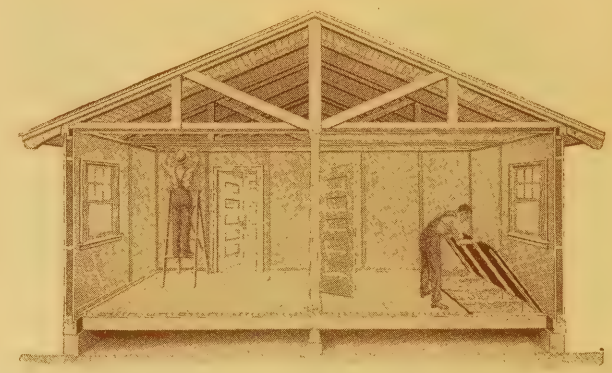
PAINT: Cottages purchased with No. 1 Outside Wall come to you painted, one good heavy coat of outside paint, stock color medium gray for the body, white trim. Our stock color is such that it will take almost any finishing coat. For No. 2 and No. 4 Outside Wall paint for the siding is furnished for one coat to be applied on job.

DIRECTIONS: An easily understood Blue Print and Instruction Sheet is furnished with every cottage. They are hardly necessary—the construction is so clear that the method of bolting together and assembling the various units immediately suggests itself.

FOUNDATIONS: May be of Posts or Piers of Brick or Stone or Concrete. Walls should be set with the outside edge on the line of measurements given for the size over buildings proper. For instance, for a 24′ 5″x24′ 5″ building, see that the outside edge of your posts or foundation is exactly 24′ 5″x 24′ 5″, and the sills of the building will fit down on top of them perfectly. NO FOUNDATION MATERIAL OR CHIMNEYS INCLUDED IN OUR PRICE.

PATENTS: Various new and improved features of "PRESTO-UP" Buildings are patented—April 2nd, 1918, Sept. 3rd, 1918, March 22nd, 1921, July 18th, 1922, other patents pending. The right is reserved to make changes in construction and material as improvements may necessitate.

"PRESTO-UP" Patented CONSTRUCTION

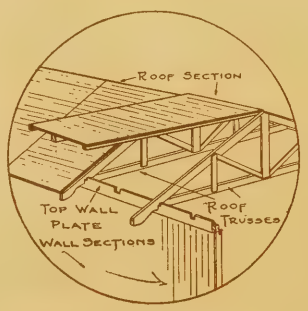


The above illustration shows a "PRESTO-UP" Cottage cut in two so as to show some of the exclusive features of "PRESTO-UP" Construction.

At the left the workman is shown putting the ceiling panels in place. The beamed ceiling that is attached to the bottom of every truss forms a ledge for the ceiling panels to rest on. In this way, the ceiling is not nailed to the trusses, and you will not find any "bulging" or "sagging" ceilings on any "PRESTO-UP" Cottages.

At the right the workman is shown dropping the floor section into place. These floor sections are made up with a layer of heavy water-proof tarred felt nailed to the under side of the boards as shown. There are no "clumsy" sections to handle. These sections are usually 3 feet wide and the length of the room. The cross partitions cover the end joints where the sections meet.

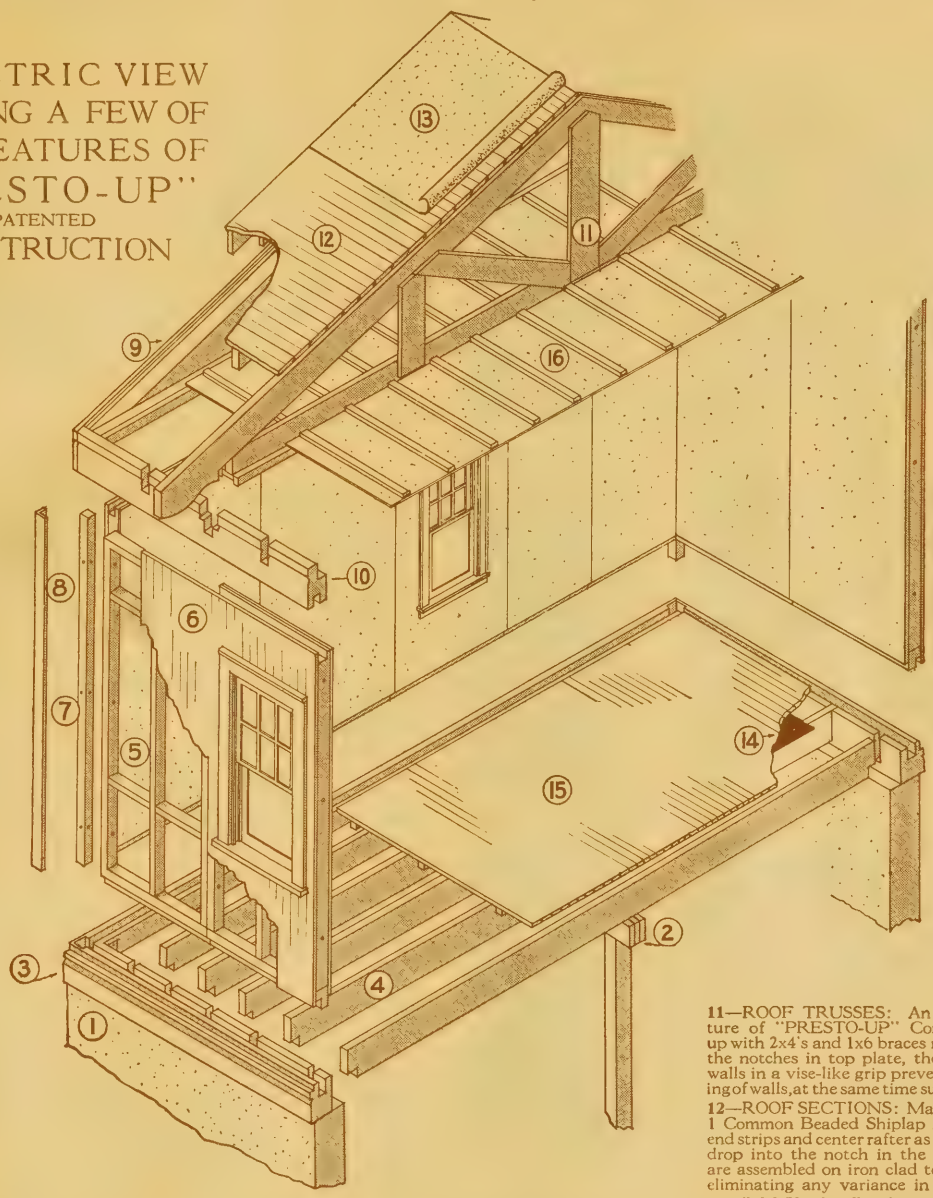
Every assistance is given the purchaser of a "PRESTO-UP" Cottage so that he will be able to erect the building in the most economical and perfectly satisfactory manner.



This illustration shows how the roof sections are put in place. These sections are usually interchangeable—they fit in between the trusses and lock into the top wall plate. We guarantee our roof construction to stand any snow load.

CONSTRUCTION DETAILS *of* "PRESTO-UP" HOUSES

ISOMETRIC VIEW SHOWING A FEW OF THE FEATURES OF "PRESTO-UP" PATENTED CONSTRUCTION



1—FOUNDATIONS: For "PRESTO-UP" Houses may be of solid concrete, stone or brick walls, or piers spaced not less than 6 ft. apart. No foundation material or girder posts included or charged for in our price.

2—CENTER GIRDER: Supporting the floor joists, built up equal to a solid timber. Supplied on all houses 16 ft. and wider.

3—WATERTIGHT SILLS: Built up equal to a 6x8 timber. Wall sections drop into groove as indicated, making it absolutely watertight.

4—FLOOR JOISTS: Are 2x8 spaced 16″ on centers—fitted and notched to drop into the pockets in sills and supported by center girder. These are furnished in either full or two-piece lengths, depending upon width of building.

5—FRAMEWORK OF SECTIONS: Studding and cross braces are halved and mortised at joints giving more than necessary strength and keeping sections square and true.

6—SIDING: See following page for description of various kinds of siding furnished for the different types of outside walls. A feature of "PRESTO-UP" Outside Walls is the absence of unsightly joints where sections bolt together, doing away entirely with the appearance of being sectional.

7—CORNER POSTS: When bolted to sections at corners are equivalent to a 4x5 timber. No special corner sections are necessary in "PRESTO-UP" Construction.

8—CORNER BOARDS: Made up ready to nail in place covering the corner post.

9—GABLE SECTION: Grooved at bottom to drop down over wall sections, locking same in place, same as No. 10.

10—TOP WALL PLATES: Built up equivalent to a 4x6 timber, grooved to drop down over siding on wall sections as indicated. It has notches to receive the patented roof truss.

11—ROOF TRUSSES: An outstanding feature of "PRESTO-UP" Construction—made up with 2x4's and 1x6 braces ready to drop into the notches in top plate, thereby locking the walls in a vise-like grip preventing any spreading of walls, at the same time supporting the roof.

12—ROOF SECTIONS: Manufactured of No. 1 Common Beaded Shiplap Boards, nailed to end strips and center rafter as illustrated. These drop into the notch in the top plate. They are assembled on iron clad templates, thereby eliminating any variance in measurements.

13—ROOFING: Roofing supplied is Best Quality Red or Green Slate Surfaced Roofing, with cement and nails; guaranteed when laid according to instructions to last 15 years.

14—INSULATING PAPERS: The underside of all floor sections has a layer of heavy tarred felt to keep out dampness.

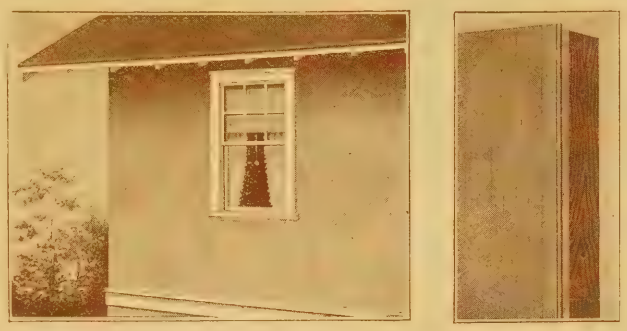
15—FLOOR SECTIONS: Are made up of 1x4 Clear Fir or Yellow Pine in easily handled units. An exclusive feature of "PRESTO-UP" Construction is the absence of any joints showing in the middle of the floor.

16—CEILING PANELS: This illustrates the type of ceiling panels furnished when Style "A" or "AP" Inside Wall is ordered. Note the heavy re-inforcing of the wallboard, these strips are spaced 12″ apart giving more strength than the usual manner of nailing wall board up against rafters only 16″ on centers. These panels drop into place between, and rest on the beamed ceiling nailed to the bottom of each truss.

PRESTO-UP COTTAGES HAVE BEEN ERECTED IN THE COLDEST CLIMATES

Select the type of outside wall from below—See next page for inside walls

OUTSIDE WALLS

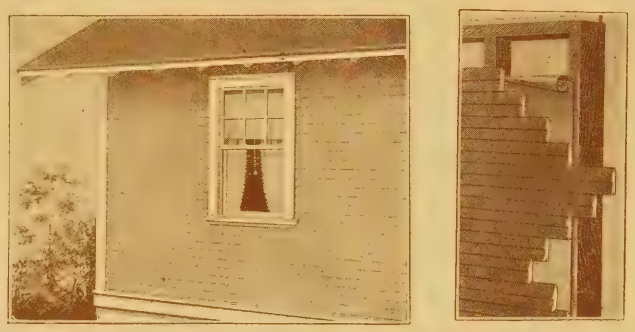


NO. 1 OUTSIDE WALL—VERTICAL BEADED SIDING

No. 1 OUTSIDE WALL: This style of wall is known as "Single Wall" and is usually ordered for Lakeside Cottages without inside lining. The sections are made up with our regular siding nailed vertically to the framework of the sections. All the frame work is planed smoothly so as to give a neat interior appearance. The interior of the sections can be either painted or stained, or wallboarded later by the owner.

The partitions on cottages ordered as above are also single wall, the boards are nailed to one side of the framework only, the same as the outside wall sections. Interior trim is already applied around the doors and windows with a ⅝" space allowed behind the trim for future interior wall. Ceiling panels are not included in any "single wall" type of house—they can be ordered extra, irrespective of the inside walls.

For styles of Inside Walls—see next page.



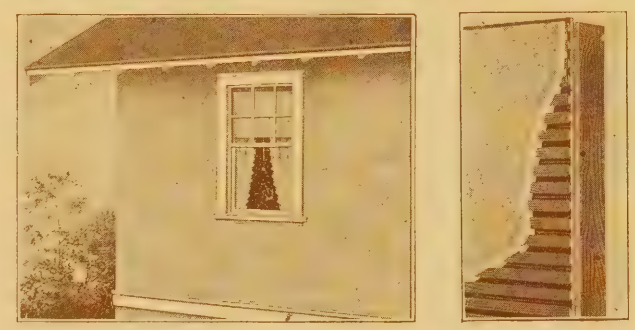
NO. 2 OUTSIDE WALL—DROP SIDING

No. 2 OUTSIDE WALL: An inside wall *must* be ordered with this style of Outside Wall. In ordering No. 2 Outside Wall, the sections are made up with whatever type of inside wall you select, already applied to the framework by us. This type of outside wall consists of "Drop" Siding, also known as "Novelty" Siding, to be applied on the job. The framework of the sections is the same as on No. 1 Outside Wall.

The drop siding is not nailed to the exterior of the sections by us (this would necessitate cutting all to 4 foot lengths and show joints and ugly batten stripes as in most other styles of sectional houses) but is furnished in long lengths including building paper and nails, and is to be applied on the job.

A house with this type of outside wall looks just like a regular built house. The siding running in continuous lengths ties the walls together even more and eliminates joints on the outside wall. "No-Joints-Showing" is an exclusive feature in "PRESTO-UP" Cottages

For styles of Inside Walls—see next page.



NO. 3 OUTSIDE WALL—STUCCO LATH

No. 3 OUTSIDE WALL: This wall consists of "Byrkit's" Patent Grooved Sheathing Lath for stucco, nailed on the sections here at the factory. Our price does not include stucco material as this is an extra on which we will gladly quote.

No. 3 wall can be ordered without any inside wall. The inside appearance generally will be the same as No. 1 Wall.

When Inside Wall finish is ordered, the sections furnished are made up with whatever kind of Inside Wall finish you select and openings are left in the outside wall to insert bolts so as to bolt the sections together—long lengths of the Byrkit's stucco lath is furnished to fill these openings to further tie the wall together, also to break joints, reducing any chance of cracking the stucco.

For styles of Inside Walls—see next page.

NO. 4 OUTSIDE WALL—BEVELED SIDING OVER NO. 1 OUTSIDE WALL

No. 4 OUTSIDE WALL: This wall is the same as No. 1 Wall and in addition thereto we furnish building paper and Clear "Beveled" Siding (sometimes called "Weather-boarding") for the exterior, which is to be nailed on after the sections are bolted together. In extreme cold climates and when there is a preference for this style of siding, this wall is very desirable and, of course, does away entirely with the appearance of the building at any time having been sectional. The inside would appear like the inside of No. 1 Wall unless inside wall finish is ordered.

We can also furnish Colonial Siding or Shingles in place of the beveled siding. Write for prices.

For styles of Inside Walls—see next page.

THREE TYPES OF PRACTICAL INSIDE WALL FINISHES

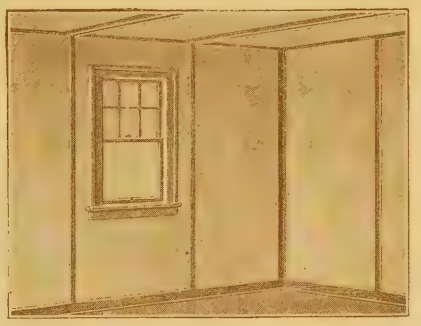
INSIDE WALL FINISH WHEN ORDERED IS APPLIED TO THE SECTION BY US BEFORE LEAVING FACTORY

INSIDE WALLS

STYLE "A" INSIDE WALL: This is a reinforced-with-wood wallboard inside wall finish, exclusively introduced by us. Vastly superior to anything that has yet been offered and is usually ordered by our customers.

The inside of the framework of the sections is first covered with wood sheathing, half thickness, and over this is nailed best quality heavy grade wallboard, Standard make. By our first applying wood sheathing to back up this wallboard, we entirely do away with the usual objection to wallboard, on account of danger of breakage from kicks and rough handling. You can readily see that a wall of this type is much stronger than ordinary wallboard nailed directly to the studs only. There are no patch pieces used around the windows or doors, for we cut the openings out of full size sheets. Partitions are manufactured in the same manner. Ceiling panels are likewise backed, but instead of sheathing we use 1x2 strips spaced 12" apart.

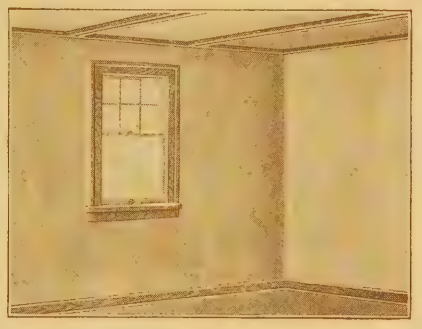
For styles of Outside Walls—see opposite page.



STYLE "A" INSIDE WALL—REINFORCED WALL BOARD

STYLE "AP" INSIDE WALL: This type of wall gets away from paneling the interior walls. It consists of Standard quality Gypsum Sheet Plasterboard, 3/8" thick applied by us to the sections. Joints between sections are to be filled with crack filler furnished by us. This makes a smooth wall, better, warmer and cleaner than plaster, and can be painted, calcimined or papered. Ceiling panels are made up with wallboard same as Style "A" wall described above.

For styles of Outside Walls—see opposite page.

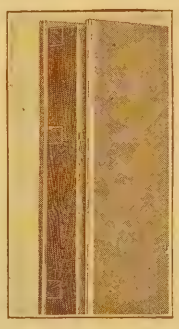


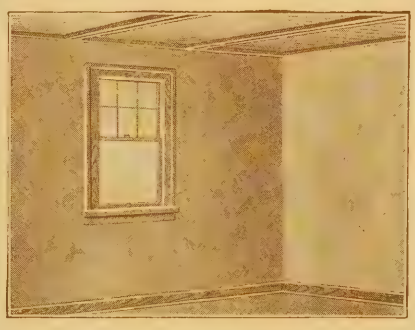
STYLE "AP" INSIDE WALL—PLASTER BOARD

STYLE "B" INSIDE WALL: This is an all wood inside wall, which means that the inside of the outside walls, as well as on both sides of all partitions and also the ceiling panels, are finished with clear Beaded Ceiling, either Oregon Fir or Yellow Pine, our option. This type of wall is, of course, the most substantial that can be had. It will stand a lot of kicking, can be painted, calcimined or varnished in the natural and gives a very practical double wall house.

It is not, however, as sanitary or as neat a wall as Style "A" and is of course, more expensive to decorate and has not the warmth of the reinforced-with-wood wallboard wall. On all houses ordered with Style "B" Inside Wall we furnish already applied to the inside of the outside sections, heavy quality of insulating paper under the boards. Ceiling panels are made up of the same material as the side walls, reinforced with 1x2 strips.

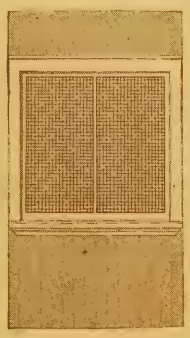
For styles of Outside Walls—see opposite page.





STYLE "B" INSIDE WALL—WOOD LINING

THESE ARE TYPICAL SECTIONS JUST AS THEY LEAVE THE FACTORY



Outside View
Porch Screen Section

Inside View
Colonial Window Section

Inside View
French Window Section

Inside View
Front Door Section

Inside View
Partition Door Section

Interiors of Presto-Up Cottages

A view of the Dining Room in the "Edgebrook"

A Cozy Porch Scene

A view of the Kitchen in the "Hillcrest"

A view of the Living Room in the "Glendale"

A view of the Kitchen in the "Lakewood"

A view of the Bed Room in the "Chicago"

LAKESIDE COTTAGES

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finishes offered on preceding pages

The "BEACHVIEW"

ONE ROOM COTTAGES WITHOUT PARTITIONS

Plan No. **38-C-200**, size, 12'5"x 16'6", One Room—No. 1 Outside Wall only.....**$273.00**

Plan No. **38-C-201**, size, 12'5"x 20'5", One Room—No. 1 Outside Wall only.....**$312.00**

Plan No. **38-C-202**, size, 16'5"x 16'5", One Room—No. 1 Outside Wall only.....**$351.00**

What do we live for? All year long we work hard, looking forward to the few weeks in the year when we can forget all business worries and get out in the great outdoors.

Why not make your Summer months still more enjoyable—pick out a nice shady spot or a nearby Lake, near enough so you can come out over Saturday or Sunday or better still, select one of these Beach View Cottages and move your family out for the summer.

Our low prices are within everyone's reach. Why bother with engaging architects, carpenters, buying lumber, painting, etc., and endless other worries? Handy men can erect these buildings.

These cottages are furnished in No. 1 Outside Wall only and without partitions—this is done to enable you to build in the partitions the way you want. All wall sections are interchangeable, so you can arrange the doors and windows wherever wanted according to how you will build the partitions. We will gladly quote on any inside wall if wanted.

The construction and material of Beach View Cottages is the same as all "PRESTO-UP" Cottages, except that the flooring is of a No. 1 grade, instead of the clear grade, specified for the more elaborate cottages and bungalows.

Plan No. **38-C-203**, size, 16'5"x 20'5", One Room—No. 1 Outside Wall only.....**$400.00**

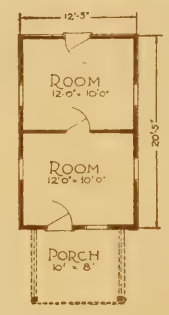
Plan No. **38-C-204**, size, 20'5"x 20'x5", One Room—No. 1 Outside Wall only.....**$471.00**

Plan No. **38-C-205**, size 20'5"x 24'5", One Room—No. 1 Outside Wall only.....**$527.00**

LAKESIDE COTTAGES

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.

The "SHOREWOOD"



The "SHOREWOOD"

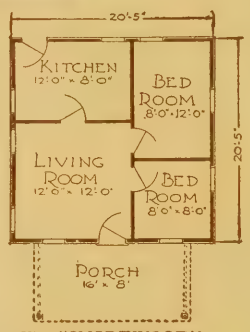
Plan No **38-C-160.** Size, 12'5"x20'5". Two Rooms.
No. 1 Outside Wall only..... **$355.00**
Porch, size 10'x8', extra..... **56.00**

The "Shorewood" is the ideal cottage—economical, attractive, and simplicity itself when it comes to erection. While all Presto-Up Cottages are designed of uniform units and are easy to erect, it is hardly possible for any building to be erected easier than the "Shorewood."

A season's rent will frequently pay for its cost and the house is your own to do with as you please. Can be had in two rooms and larger, with and without porch as may be desired.

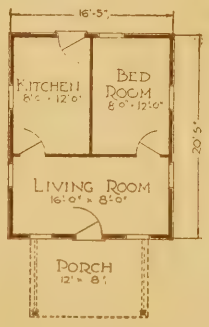
"Shorewood" Cottages are carried in stock, ready for immediate shipment with No. 1 Outside Wall, but can be had in any other style of outside and inside wall furnished. Porches, when ordered, are furnished by us all made up, ready to put together and consist of porch floor, porch roof, porch columns and guaranteed slate surfaced roofing, same as furnished for the houses.

Construction and material is identical with all other Presto-Up Cottages, in quality, grade and manufacture. A "Presto-Up" building is known for its high quality material—no matter how large or small.



The "SHOREWOOD"

Plan No. **38-C-162.** Size 20'5"x20'5". Four Rooms
No. 1 Outside Wall only..... **$540.00**
Porch, size 16'x8', extra..... **89.00**



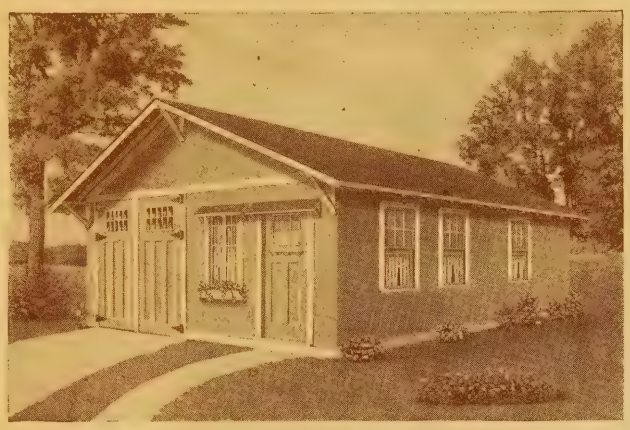
The "SHOREWOOD"

Plan No. **38-C-161.** Size 16'5"x20'5". Three Rooms.
No. 1 Outside Wall only..... **$459.00**
Porch, size 12'x8', extra..... **67.00**

The "SHOREWOOD"

Plan No. **38-C-163.** Size 20'5"x24'5". Four Rooms.
No. 1 Outside Wall only..... **$615.00**
Porch, size 16'x8', extra..... **89.00**

COMBINATION GARAGE COTTAGES



NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.

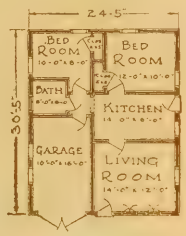
These combination Summer Cottages and Garages were designed at the request of many people who often wish there was a place to keep their car while on a vacation or week end trip. The old idea of covering a car with a tarpaulin has never been satisfactory.

Floors for the Garage Section of these buildings are not included in the price, but we will gladly quote extra. Wooden ceiling panels can be furnished over head for the entire building at an extra cost.

We offer three plans with the gable end over the front doors similar to our Model "B" Garage illustrated in the latter part of this Catalog.

Plan No. 38-C-210, size, 20'5"x24'5".

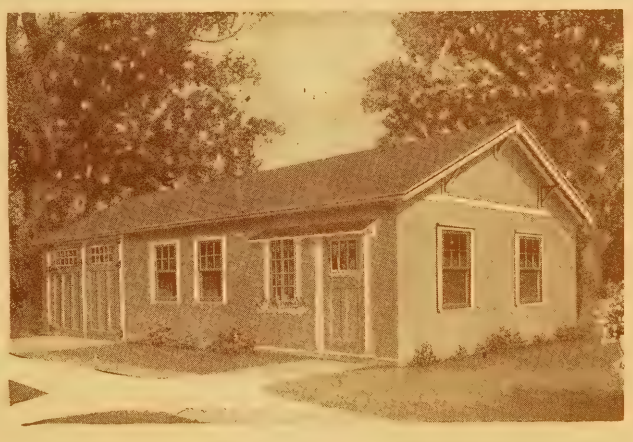
Plan No. 38-C-211, size, 20'5"x28'5".

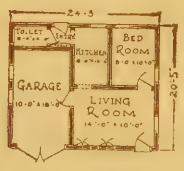


Plan No. 38-C-212, size, 24'5"x30'5".

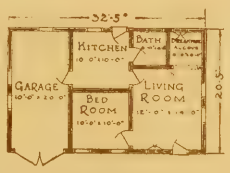
This type of combination Cottage and Garage is similar to Model "G" Garage also illustrated in the latter part of this catalog. The roof slopes down over the front doors, making it a Colonial type of building.

These Cottages are ideal for small estates, where places are needed to house the chauffeur and his family without providing for two or three separate buildings.

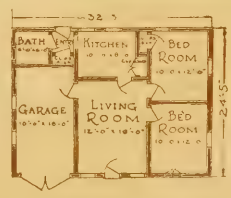




Plan No. **38-C-215**, size, 24'5"x20'5".



Plan No. 38-C-216, size, 32'5"x20'5".



Plan No. 38-C-217, size, 32'5"x24'5".

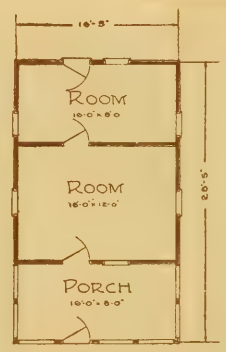
	Plan No. 38-C-210	Plan No. 38-C-211	Plan No. 38-C-212	Plan No. 38-C-215	Plan No. 38-C-216	Plan No. 38-C-217
No. 1 Outside Wall	$592.00	$675.00	$880.00	$509.00	$738.00	$958.00
No. 2 Outside Wall	604.00	689.00	898.00	621.00	752.00	978.00
No. 3 Outside Wall	574.00	655.00	854.00	591.00	716.00	930.00
No. 4 Outside Wall	666.00	755.00	978.00	682.00	824.00	1057.00
Add extra for Inside Walls:						
Style "A" Inside Wall	$151.00	$102.00	$194.00	$151.00	$179.00	$206.00
Style "AP" Inside Wall	140.00	96.00	179.00	140.00	164.00	185.00
Style "B" Inside Wall	186.00	136.00	215.00	185.00	225.00	246.00

For detailed description of wall finishes, see preceding pages.

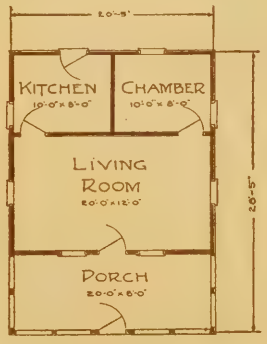
LAKESIDE COTTAGES

WITH GALVANIZED SCREENED PORCHES

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.



The "GLENDALE"
Plan No. **38-C-172.** Size 16'5" x 28'5". Two rooms and screened living porch.



The "GLENDALE"
Plan No. **38-C-173.** Size 20'5" x 28'5". Three rooms and screened living porch.

The "GLENDALE"

For real economy the "Glendale" series of cottages takes the lead. These charming cottages have really been planned with the idea of making the porch a room like the rest of the house, and still be a porch. The economy in these cottages is not only in price, but in labor to erect. The porch is under the same roof as the house, making it easy for inexperienced men to erect, and make a perfect job.

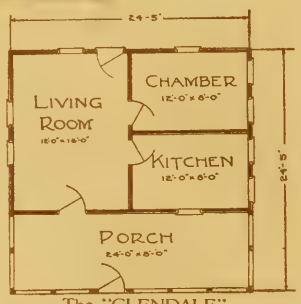
The galvanized porch screens and the combination screen and storm door are all included in our price. The porch sections are made up of interchangeable panels, same as the walls of the rest of the building.

Our price includes Wooden Ceiling Panels regularly furnished for the porch regardless of the kind of wall selected. This adds much to its appearance and helps keep the porch cooler and more comfortable.

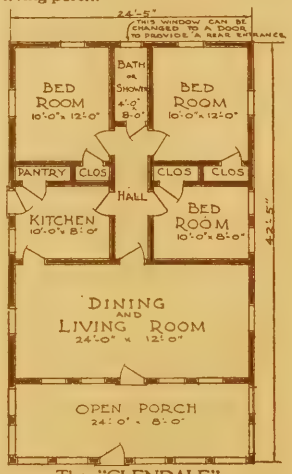
Easily understood blue prints to assist you in laying out your foundation, whether it be of posts or concrete, are furnished immediately on receipt of your order, so that when the cottage arrives—"PRESTO" and in a few days it is ready to occupy.

	Plan No. 38-C-172	Plan No. 38-C-173	Plan No. 38-C-174	Plan No. 38-C-175
No. 1 Outside Wall	$588.00	$697.00	$739.00	$1247.00
No. 2 Outside Wall	600.00	711.00	754.00	1270.00
No. 3 Outside Wall	570.00	676.00	717.00	1210.00
No. 4 Outside Wall	669.00	790.00	835.00	1372.00
Add extra for Inside Walls:				
Style "A" Inside Wall	$115.00	$119.00	$141.00	$275.00
Style "AP" Inside Wall	108.00	131.00	133.00	257.00
Style "B" Inside Wall	138.00	169.00	144.00	327.00

For detailed descriptions of Wall Finishes, see preceding pages.



The "GLENDALE"
Plan No. **38-C-174.** Size 24'5" x 24'5". Three rooms and screened living porch.



The "GLENDALE"
Plan No. **38-C-175.** Size 24'5" x 42'5". Five rooms, bath, pantry, closets and screened living porch.

LAKESIDE COTTAGES

WITH SCREENED PORCHES AND SUN PARLORS

All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.

The "EDGEBROOK"

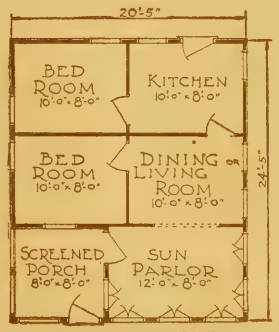
This is one of the houses erected in our Show Yard here adjoining our main plant and if at any time you are in or near Chicago, come out and inspect it—the model erected is plan No. 231.

Here is really an ideal cottage either for lakeside summer cottage or for permanent use. Because of the fact that the screened porch is under the same roof as the house, it is very simple to erect and when erected, means a good job, strong, pleasing in appearance, and practical in every respect.

Instead of a screened porch across the entire front, a Sun Parlor and Screened Porch, both, have been provided. These cottages can be made real, comfortable permanent homes by selecting the proper type of inside wall. See pages preceding.

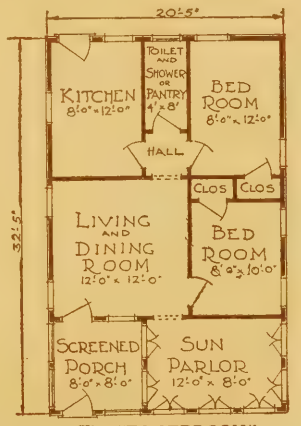
Our price includes galvanized wire screens and Combination Storm and Screen Door for porch. Screens for Sun Parlor windows are not included but can be furnished at small additional cost. See last page of this section for prices.

Although this cottage includes Sun Parlor and Screened Porch, all these items are a part of our regular unit system, and as far as erection is concerned it is just as easy to build this house with these attractive conveniences as it would be to put up merely blank walls—not so with the old time hand construction by day labor, is it? "Sun Parlor," "Screened Porch," when you are building means big expense.



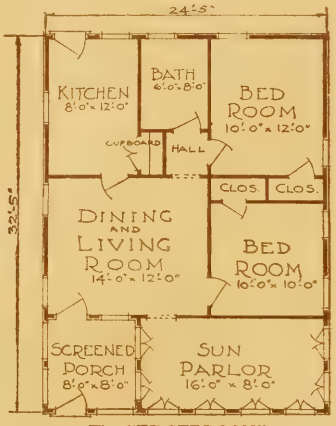
The "EDGEBROOK"

Plan No. **38-C-231.** Size **20'5"x24'5".** Four Rooms, Sun Parlor, Screened Living Porch.



The "EDGEBROOK"

Plan No. **38-C-232.** Size **20'5"x32'5".** Four Rooms, Sun Parlor, Toilet or Shower, Closets, and Screened Living Porch.



The "EDGEBROOK"

Plan No. **38-C-233.** Size **24'5"x32'5".** Six Rooms, including Sun Parlor and Screened Living Porch, Bath, Cupboard and Closets.

	Plan No. 38-C-231	Plan No. 38-C-232	Plan No. 38-C-233
No. 1 Outside Wall	$709.00	$900.00	$1038.00
No. 2 Outside Wall	723.00	918.00	1058.00
No. 3 Outside Wall	688.00	873.00	1007.00
No. 4 Outside Wall	790.00	992.00	1141.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$147.00	$206.00	$245.00
Style "AP" Inside Wall	138.00	194.00	216.00
Style "B" Inside Wall	174.00	240.00	277.00

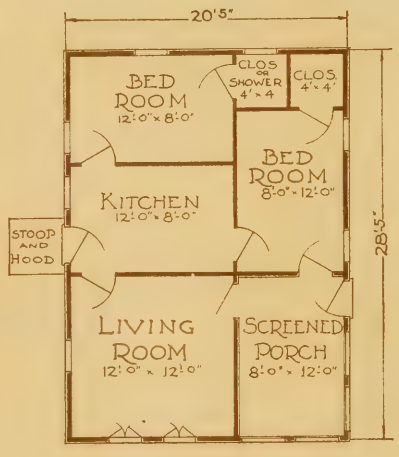
For detailed descriptions of Wall Finishes see preceding pages.

LAKESIDE COTTAGES

WITH GALVANIZED SCREENED LIVING PORCHES

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.

The "GENEVA"



The "GENEVA"

Plan No. **38-C-237.** Size 20'5"x28'5". Four rooms, closets or shower and 16'x8' screened porch. Kitchen stoop and hood.

No. **1** Outside Wall	**$774.00**
No. **2** Outside Wall	**790.00**
No. **3** Outside Wall	**751.00**
No. **4** Outside Wall	**873.00**
Add extra for Inside Walls:	
Style **"A"** Inside Wall	**$165.00**
Style **"AP"** Inside Wall	**154.00**
Style **"B"** Inside Wall	**197.00**

For detailed description of Wall Finishes see preceding pages.

"Seizing the wonderful lamp, Aladdin rubbed it briskly.

" 'Build me a palace instantly,' he cried, as the genie appeared. Bowing low, the latter was about to deliver the goods when Aladdin reconsidered.

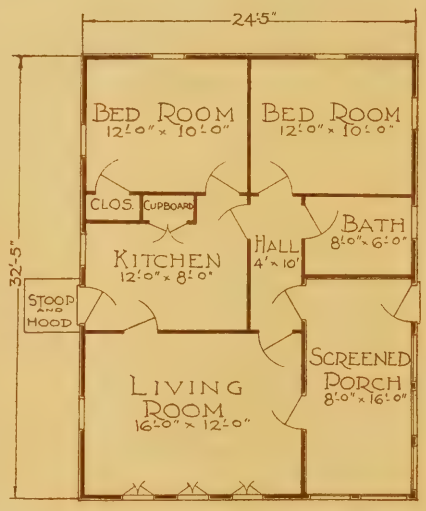
" 'No, on second thought, don't,' he said 'Bring me instead Six-Room Portable Bungalow No. 237, all parts plainly numbered, see Catalog. It will be easier to put it up than to rub the lamp.' "

Almost as true as the mythical story above "PRESTO-UP" Cottages are so completely fabricated at our modern factory that there is very little left for you to do. You don't have to follow complicated blue prints—merely use common sense; a hammer, wrench, level and square, and follow directions, and your cottage can go up in "jig" time.

The screened living porch on this house is regularly furnished with wooden ceiling panels overhead regardless of the type of inside or outside wall you may specify on your order. Galvanized wire screens and screen door are included in our price.

In Plan No. 237 one of the closets can be changed to a shower and by substituting an outside door, instead of the window, you won't have to walk through the house when you come from the beach.

Plan No. 238 provides a good size bathroom and a larger screened porch. The hall gives access to the right hand bedroom without going through the rest of the cottage, enabling you to use this room for rentin g out or for guests.



The "GENEVA"

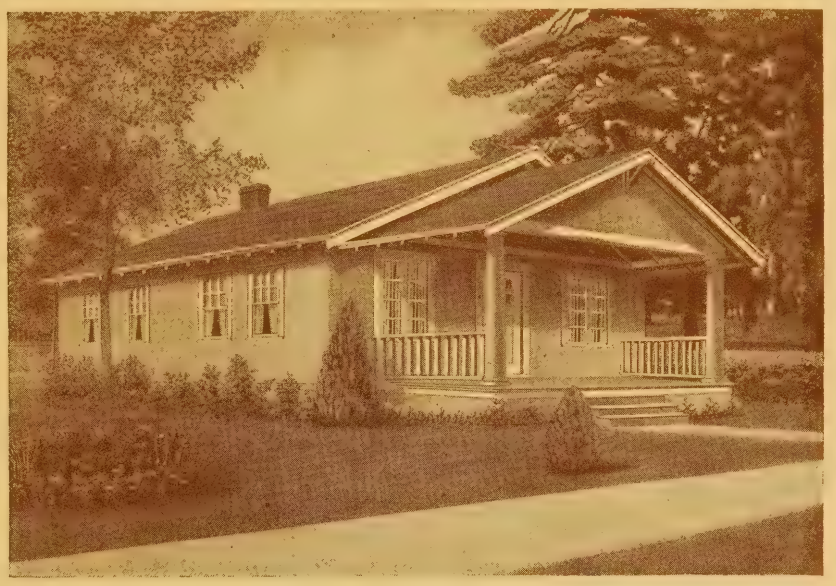
Plan No. **38-C-238.** Size 24'5"x32'5". Four rooms, Bath, Closet, Cupboard, and 16'x8' Screened Porch. Kitchen Stoop and Hood.

No. **1** Outside Wall	**$1038.00**
No. **2** Outside Wall	**1059.00**
No. **3** Outside Wall	**1007.00**
No. **4** Outside Wall	**1156.00**
Add Extra for Inside Walls:	
Style **"A"** Inside Wall	**$220.00**
Style **"AP"** Inside Wall	**201.00**
Style **"B"** Inside Wall	**259.00**

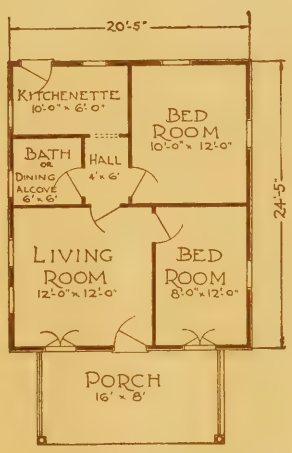
For detailed description of Wall Finishes see preceding pages.

LAKESIDE COTTAGES

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.



The "LAKEWOOD"



The "LAKEWOOD"
Plan No. **38-C-180**
Size 20'5"x24'5"
Four Rooms, Dining Alcove and Porch size 16'x8'.

No. 1 Outside Wall	$710.00
No. 2 Outside Wall	725.00
No. 3 Outside Wall	689.00
No. 4 Outside Wall	795.00
Add extra for Inside Walls:	
Style "A" Inside Wall	$172.00
Style "AP" Inside Wall	160.00
Style "B" Inside Wall	205.00

For detailed description of Wall Finishes see preceding pages.

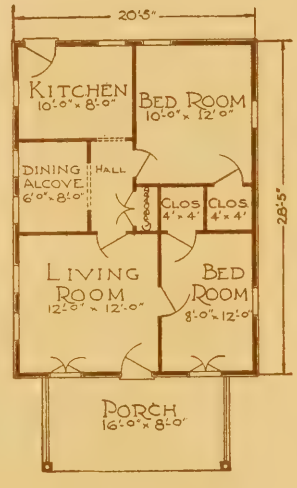
The broad and spacious porch is the outstanding feature of this series of cottages—at a small extra cost the porch can be screened and made into a neat living porch.

Don't overlook the floor plans—ideally laid out. In Plan No. 181, the Dining Alcove can be used for a bathroom or shower, by closing up the cased opening with a door section.

The good size bedroom closets and the cupboard cabinet off the hall, as well as the general compactness of these plans will satisfy the "Missus"—and that's the main thing.

Remember, these cottages are completely fabricated here in our factory and each section is rigidly inspected before it goes out. No delays—you get a complete house when you want it at a price which means a saving to you.

Anyone who has a reasonable understanding of building construction and can keep the work level, plumb and square, will have no difficulty in erecting this building complete with the assistance of two or three helpers in not over three or four days' time.



The "LAKEWOOD"
Plan No. **38-C-181**
Size 20'5"x28'5".
Four Rooms, Dining Alcove, Cupboard Two Closets and Porch, size 16'x8'

No. 1 Outside Wall	$812.00
No. 2 Outside Wall	829.00
No. 3 Outside Wall	788.00
No. 4 Outside Wall	899.00
Add extra for Inside Walls:	
Style "A" Inside Wall	$201.00
Style "AP" Inside Wall	182.00
Style "B" Inside Wall	239.00

For detailed description of Wall Finishes see preceding pages.

LAKESIDE COTTAGES

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.

The "HILLCREST"

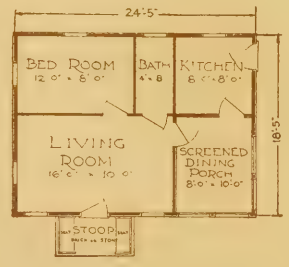
Here is another idea of the screened porch made into a Dining Porch. The cottage can be faced toward the lake, either from the end or side, thereby giving you a view of the lake from both ways.

The front stoop should be of concrete, brick, or stone, nicely laid, which will add to the attractiveness of the entrance. We can furnish a wood stoop, if wanted, at a slight extra cost.

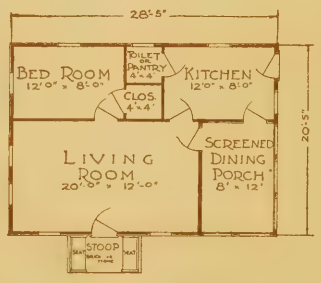
The seats are not included but can be furnished by us, made of 2" dimension lumber, knocked down, and can be quickly assembled at an additional cost of $12.50 each. The canopy over the stoop forms a continuation of the main roof and is supported by the massive brackets.

The kitchens in these plans are small but just the right size—"you don't need a large kitchen" when you are out on a vacation.

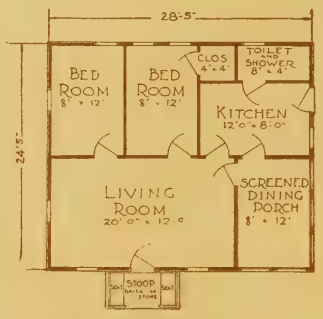
Remember—"PRESTO-UP" Construction is standardized—all units are produced in quantities and are uniform. Workmen specialize on one certain kind of section and become proficient in their work. In addition to this, every section is rigidly inspected before it leaves the factory.



The "HILLCREST"
Plan No. **38-C-220.** Size 24'5"x18'5". Three Rooms, Bath and Screened Dining Porch.



The "HILLCREST"
Plan No. **38-C-221.** Size 28'5"x20'5". Three Rooms, Closets and Screened Dining Room.



The "HILLCREST"
Plan No. **38-C-222.** Size 28'5"x24'5". Four Rooms, Bath, Closet and Screened Dining Porch.

	Plan No. 38-C-220	Plan No. 38-C-221	Plan No. 38-C-222
No. 1 Outside Wall	$611.00	$747.00	$863.00
No. 2 Outside Wall	624.00	762.00	870.00
No. 3 Outside Wall	593.00	725.00	837.00
No. 4 Outside Wall	695.00	841.00	969.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$132.00	$163.00	$189.00
Style "AP" Inside Wall	123.00	150.00	166.00
Style "B" Inside Wall	158.00	188.00	228.00

For detailed description of Wall Finishes, see preceding pages

LAKESIDE COTTAGES

NOTE—All Lakeside Cottages can be made into permanent all-year-round buildings by adding any of the inside wall finish offered and explained on previous pages.

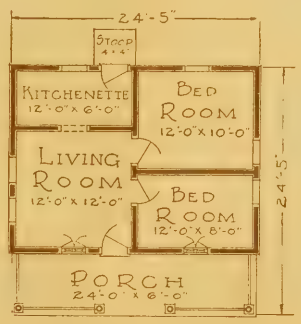
The "NORFOLK"

The "Norfolk" is an unusually good looking summer home—Plan No. 241 provides a good size screened Dining Porch with doors leading from the Kitchen and Living Room. The front porch can also be screened providing additional sleeping room for guests.

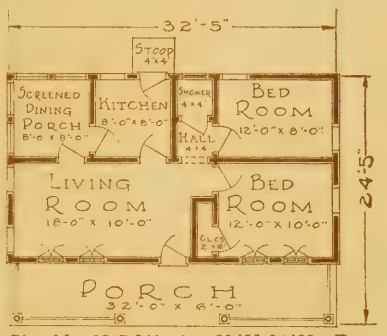
Wooden ceiling panels are furnished for the front and dining porches. The sash in the shower room can be changed to a door at a small extra cost, glazed with frosted glass so that when you come from the beach, you won't have to go thru the house.

"PRESTO-UP" Cottages are not to be classed with "flimsy" portable buildings on the market. True they are factory made, but better materials are used, better constructed and easier to assemble.

These plans have been designed with practically no waste space—a handy carpenter who can "plumb" and "square" a building, and three helpers should have no difficulty in erecting one of these cottages in three days.



Plan No. **38-C-240**, size, 24'5"x24'5". Four Rooms, Front Porch and Rear Stoop.



Plan No. **38-C-241**, size, 32'5"x24'5". Four Rooms, Shower, Closet, Screened Dining Porch, Front Porch and Rear Stoop.

	Plan No. 38-C-240	Plan No. 38-C-241
No. 1 Outside Wall	$708.00	$940.00
No. 2 Outside Wall	722.00	958.00
No. 3 Outside Wall	687.00	911.00
No. 4 Outside Wall	789.00	1034.00
Add extra for Inside Wall:		
Style "A" Inside Wall	134.00	214.00
Style "AP" Inside Wall	124.00	221.00
Style "B" Inside Wall	166.00	263.00

For detailed description of wall finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "BERKLEY"

Here is a truly charming California Bungalow and not only does this apply to the exterior but the floor plans as well—a point frequently lacking in the average bungalow.

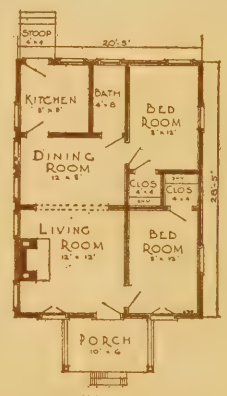
Here are plans of five room houses with good size bath, cabinet in Dining Room of the larger house, and two large closets in each house, large enough to be used as dressing closets. The wide cased opening between the Dining Room and Living Room permits these two rooms to be used practically as one and gives a stretch of floor space 20 feet long.

The front view with its handsome bungalow door, Canopy Porch Roof, supported by massive brackets, flower box, and shutters on the casement sash, all add to the attractive appearance of the house.

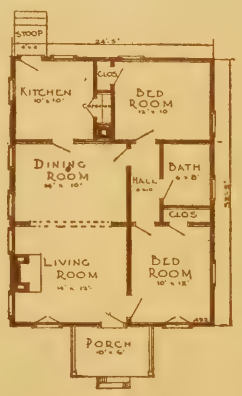
The exterior of this house is shown with shingles which can be furnished instead of the beveled siding specified for No. 4 outside wall.

This is a simple house to erect. The sections go together easily as do all "PRESTO-UP" houses, the absence of complicated interior and porch arrangement simplifies the matter still more. Three men should have no difficulty in erecting this design above the foundation in four days.

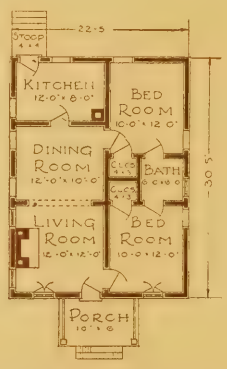
Price includes wood porch floor and bulkhead rail as shown. Also rear stoop and hood included in our price.



The "BERKLEY"
Plan No. 38-C-430. Size 20'5"x28'5".
Five Rooms, Bath, Closets, Front Porch, Rear Stoop and Hood.



The "BERKLEY"
Plan No. 38-C-432. Size 24'5"x32'5".
Five Rooms, Bath, Closets, Cupboard, Front Porch. Rear Stoop and Hood

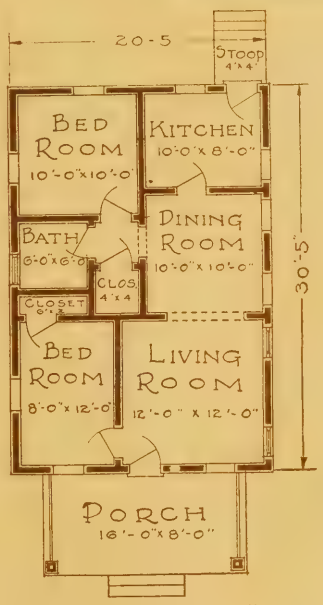


The "BERKLEY"
Plan No. 38-C-433. Size 22'5"x30'5".
Five Rooms, Bath, Closets, Front Porch, Rear Stoop and Hood.

	Plan No. 38-C-430	Plan No. 38-C-432	Plan No. 38-C-433
No. 1 Outside Wall	$ 798.00	$1011.00	$ 885.00
No. 2 Outside Wall	814.00	1031.00	903.00
No. 3 Outside Wall	774.00	980.00	859.00
No. 4 Outside Wall	888.00	1117.00	965.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$ 179.00	$ 231.00	$ 197.00
Style "AP" Inside Wall	165.00	208.00	183.00
Style "B" Inside Wall	215.00	282.00	241.00

For detailed description of Wall Finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS



THE "KENILWORTH"
Plan No. **38-C-250**, Size, 20' 5"x 30' 5", Five Rooms, Bath, Closets, Front Porch and Rear Stoop.

The "KENILWORTH"

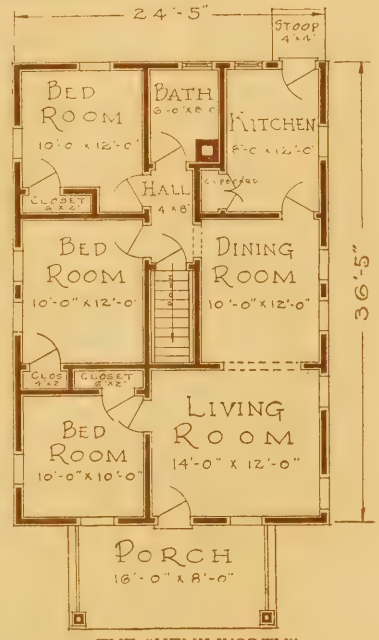
The floor plans of the "Kenilworth" Design are both provided with plenty of closet space. Plan No. 250 provides for a good size closet off the hall adjoining the Dining Room so as not to break up the back bedroom. This plan has five good size rooms with every bit of space utilized.

The Living Room has two half casement windows "up high," so that a fireplace or mantel can be built between the windows and bookcases along the sides.

Plan No. 251 has six good size rooms with plenty of closets and a handy kitchen cupboard. This cupboard is furnished with shelves and a place below for storing cooking utensils.

The material for the inside cellar stairs for this plan, consisting of stair stringers and step treads, cut-to-fit, is furnished ready to be nailed in place on the job. Both plans are furnished with a rear stoop and hood.

A handy carpenter and four helpers should experience no difficulty in assembling either one of these cottages in four or five days. "PRESTO-UP" Cottages are as complete as can be manufactured and shipped, leaving practically no carpenter work to be done on the job.



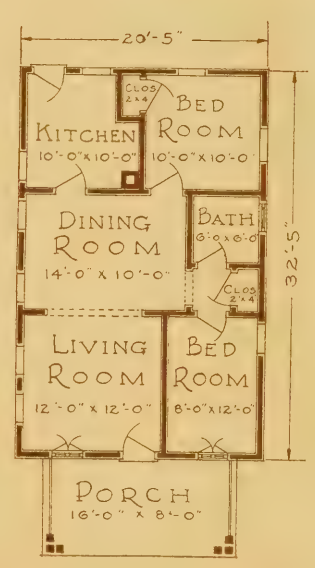
THE "KENILWORTH"
Plan No. **38-C-251**, Size 24' 5"x 36' 5", Six Rooms, Bath, Closets, Front Porch and Rear Stoop.

	Plan No. 38-C-250	Plan No. 38-C-251
No. 1 Outside Wall	$878.00	$1163.00
No. 2 Outside Wall	895.00	1186.00
No. 3 Outside Wall	851.00	1128.00
No. 4 Outside Wall	968.00	1274.00
Add extra for Inside Walls:		
Style "A" Inside Wall	$194.00	$269.00
Style "AP" Inside Wall	178.00	242.00
Style "B" Inside Wall	235.00	329.00

For detailed description of Wall Finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "IRVING"



Plan No. **38-C-260**, size, 20'5"x32'5" Five Rooms, Bath, Closets and Front Porch.

The attractive looking porch is the outstanding feature of this charming series of bungalows. The triple columns with the trellis and flower boxes enhance the appearance of this cottage.

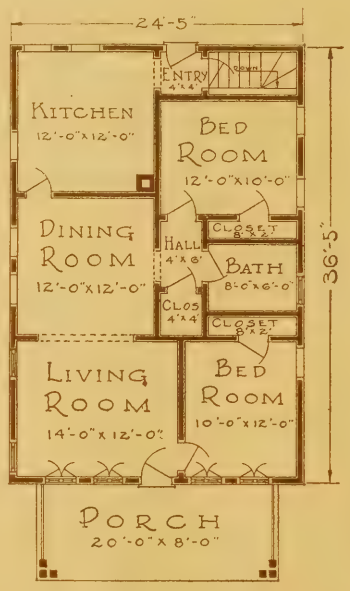
Plan No. 260 can be built on a 25 foot lot allowing passageway on the sides. This makes an ideal suburban home and can be erected on posts or piers temporarily until additional funds are at hand to build a full size basement.

Plan No. 261 provides for rear entry with inside cellar steps leading from this entry. The extra closet off the hall can be used for storing miscellaneous things.

In localities where the weather is not too severe, the No. 2 Outside Wall and Style "A" or Style "AP" Inside Wall will make a good combination. For colder climates, however, we recommend the permanent wall finish—No. 4 Outside Wall and either Style "A" or Style "AP" Inside Wall.

Cellar windows and lattice under front porch is not included in our price but we can furnish this material and will gladly quote.

This makes an ideal permanent home for the suburb and can easily be erected by handymen with the aid of a carpenter in five days.



Plan No. **38-C-261**, size, 24'5"x36'5". Five Rooms, Entry, Bath, Closets and Front Porch.

	Plan No. 38-C-260	Plan No. 38-C-261
No. 1 Outside Wall	$ 910.00	$1207.00
No. 2 Outside Wall	928.00	1232.00
No. 3 Outside Wall	883.00	1171.00
No 4 Outside Wall	1003.00	1315.00
Style "A" Inside Wall	$198.00	$261.00
Style "AP" Inside Wall	183.00	241.00
Style "B" Inside Wall	241.00	321.00

For detailed description of wall finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "WINONA"

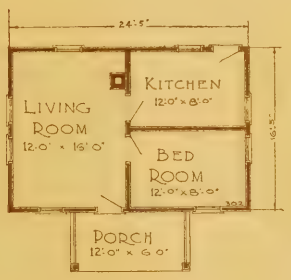
For needs of industrial corporations who provide better homes for their employees we have developed the cottages shown on this page. Of course, any design shown in this booklet is adaptable for the same purpose, but these cottages are planned for economy, not only in the original cost of the building but in the assembling.

For example—Plan No. 302, three room cottage, can be erected by three inexperienced workman in two days. Just think of the saving.

"PRESTO-UP" Industrial Cottages have been purchased in large quantities by such well-known companies as the

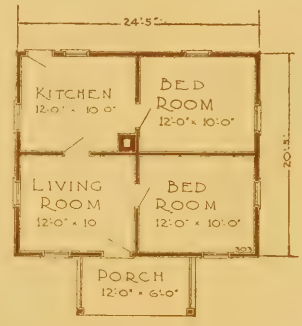
Illinois Steel Co.
Universal Portland Cement Co.
The Steel and Tube Co. of America.
Wayne Coal Co.
The Short Creek Coal Co.

Many different types of wall finishes can be used—for Industrial Cottages the combination of No. 1 Outside Wall and Style "A" or "B" Inside Wall will withstand the roughest handling.



The "WINONA"

Plan No. 38-C-302. Size 24'5"x16'5". Three Rooms, Porch 12'x6'.



The "WINONA"

Plan No. 38-C-303. Size 24'5"x20'5". Four Rooms, Porch 12'x6'.

The "WINONA"

Plan No. 38-C-304. Size 26'5"x24'5". Four Rooms, Closets and Cupboard, Porch 12'x6'.

	Plan No. 38-C-302	Plan No. 38-C-303	Plan No. 38-C-304
No. 1 Outside Wall	$ 554.00	$ 650.00	$ 801.00
No. 2 Outside Wall	565.00	663.00	817.00
No. 3 Outside Wall	537.00	631.00	777.00
No. 4 Outside Wall	626.00	731.00	899.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$ 117.00	$ 142.00	$ 186.00
Style "AP" Inside Wall	109.00	130.00	166.00
Style "B" Inside Wall	144.00	178.00	241.00

For detailed description of Wall Finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "BRISTOL"

This is how your house will look if ordered with No. 3 Outside Wall (stucco lath). After the stucco is applied no one can tell that it is a sectional house. Any design in the catalog can be purchased with this type of outside wall and will look as attractive as this bungalow.

Since Mr. . . . . *. . . . of Madison, Wisconsin, erected the above bungalow he has purchased a number of "PRESTO-UP" bungalows which he has built and sold to employees.

The floor plans of the "Bristol" have been laid out to provide the most in the way of no lost space either in arrangement of rooms or doors and windows, providing plenty of wall space for furniture. Both plans have been so arranged so as to economize in plumbing installations, kitchen sink and bathroom outfit can be taken care of by one stack.

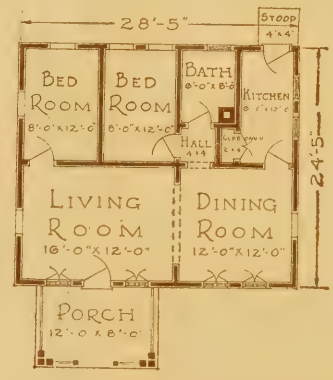
A point not to be overlooked is the handsome "pergola" style front porch. The triple columns and fancy rafter ends give this bungalow a charm all its own.

Even if you are not able to afford the stucco finish right away, you can live in the bungalow for two or three months until you can arrange for this work.

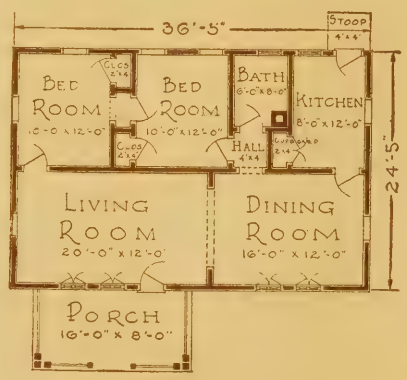
Basement windows or lattice under porch, can be furnished at an extra cost.

Four men ought to be able to erect this bungalow above the foundation in four or five days with the aid of our helpful and clearly understood blue prints and instructions.

*Name on request.



The "BRISTOL"
Plan No. **38-C-320**, size, **28'5"x24'5"**
Five Rooms, Bath, Cupboard, Front Porch and Rear Stoop.



The "BRISTOL"
Plan No. **38-C-321**, size, **36'5"x24'5"**
Five Rooms, Bath, Cupboard, Closet, Front Porch and Rear Stoop.

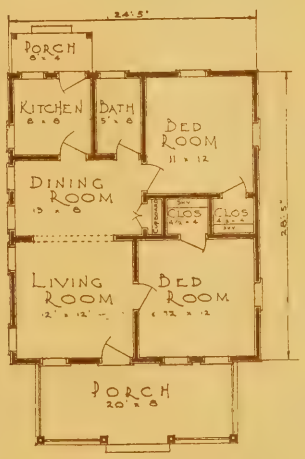
	Plan No. 38-C-320	Plan No. 38-C-321
No. 1 Outside Wall	$ 919.00	$1170.00
No. 2 Outside Wall	937.00	1193.00
No. 3 Outside Wall	891.00	1135.00
No. 4 Outside Wall	1001.00	1265.00
Add extra for Inside Walls:		
Style "A" Inside Wall	$197.00	$247.00
Style "AP" Inside Wall	177.00	225.00
Style "B" Inside Wall	254.00	300.00

For detailed description of wall finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "MEDFORD"

A PORTION OF A ROW OF "MEDFORD" HOUSES ERECTED BY AN OHIO COAL CO.



The "MEDFORD"

Plan No. 38-C-500. Size 24'5"x28'5"
Five Rooms, Bath, Closets, Cabinet
Front Porch—20'x8'
Rear Porch—8'x4'

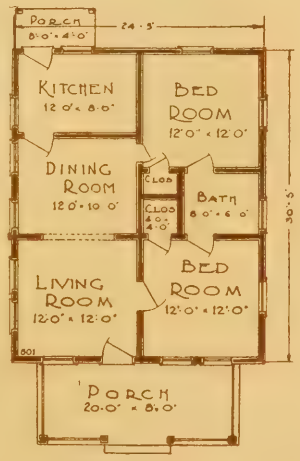
Although the "Medford" was specially designed for the needs of large, up-to-date industrial corporations who provide better class of homes for their men, it will make an ideal farm house, also an ideal suburban home. A modern, roomy and attractive semi-bungalow type of cottage. It is truly "The Wonder Building of the Age."

It has been sold throughout the southern part of the country to oil operators, who have erected them on their leases and realized the advantage of a high quality house that can be taken down and moved to new locations. Note the illustration of a row of "Medford" Houses erected by a well-known Ohio Coal Company.

The front porch can easily be screened and makes an ideal dining porch or sleeping room. The merits of the floor plan need not be described. One can see at a glance the practical arrangements of rooms, without any waste of space.

	Plan No. 38-C-500	Plan No. 38-C-501
No. 1 Outside Wall	$ 989.00	$1005.00
No. 2 Outside Wall	1009.00	1025.00
No. 3 Outside Wall	959.00	975.00
No. 4 Outside Wall	1085.00	1104.00
Add extra for Inside Walls:		
Style "A" Inside Wall	$ 204.00	$ 207.00
Style "AP" Inside Wall	184.00	192.00
Style "B" Inside Wall	250.00	254.00

For detailed description of Wall Finishes see preceding pages.



The "MEDFORD"

Plan No. 38-C-501. Size 24'5"x30'5"
Five Rooms, Bath, Closets
Front Porch, 20'x8'
Rear Porch—8'x4'

"PRESTO-UP" PERMANENT BUNGALOWS

The "VIRGINIA"

BEAUTIFUL! The "Virginia" is such an attractive looking Bungalow that it charms the prospective home owner. Cannot you picture the pretty building as your summer or suburban home? It is all that could be wished for.

The floor plans are so ideally laid out that people who have seen this bungalow immediately are enthused over the good size rooms and the many conveniences.

A typical "Colonial" pattern with shutters, handsome front door and attractive casement or French windows along the front of the house and the good size front porch with its triple columns give it a distinction all its own.

Note in Plan **461** how economically the plumbing can be installed, having the bath room and kitchen adjoining, also the convenient arrangement of closets and kitchen cupboards.

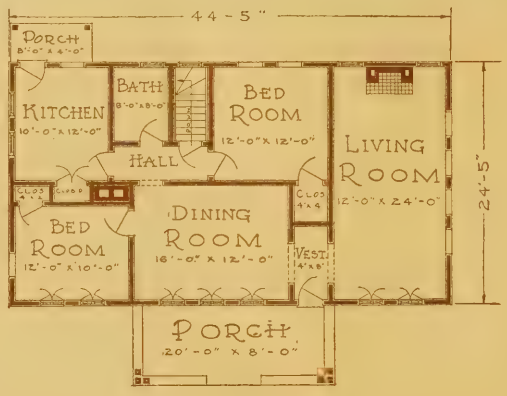
Three good size bedrooms and extra large closets, with two or more windows in each room. In Plan No. **460** the wall between the Living Room and Dining Room can easily be removed making the front room 28′ long. Remember, that all sections are 4′ wide and if you don't like the arrangement as shown in the plan, change it around to suit your needs.

This design is shown finished with No. **4** Outside Wall—the "permanent" wall finish, using the wide (½x6) Beveled Siding to give the Colonial effect. A pleasing color scheme is to paint or stain the siding a dark brown, trim to be white and red roofing.

Four men with the aid of a handy carpenter can erect this house in not over five days, above the foundation.

"THE VIRGINIA"

Plan No. **38-C-460**, size, 40′5″x24′5″. Six Rooms, Bath, Closets, Pantry, Cellar Stairs, Front and Rear Porches.



"THE VIRGINIA"

Plan No. **38-C-461**, size, 44′5″x24′5″. Five Rooms, Bath, Closets, Cupboard, Cellar Stairs, Front and Rear Porches.

	Plan No. 38-C-460	Plan No. 38-C-461
No. **1** Outside Wall	**$1495.00**	**$1589.00**
No. **2** Outside Wall	**1525.00**	**1631.00**
No. **3** Outside Wall	**1450.00**	**1541.00**
No. **4** Outside Wall	**1622.00**	**1717.00**
Add extra for Inside Walls:		
Style "**A**" Inside Wall	**$284.00**	**$296.00**
Style "**AP**" Inside Wall	**261.00**	**266.00**
Style "**B**" Inside Wall	**351.00**	**370.00**

For detailed descriptions of wall finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "NORWOOD"

It is needless for us to go into any description of the two plans of the "Norwood" design shown below. They have been designed with the thought of utilizing every bit of space.

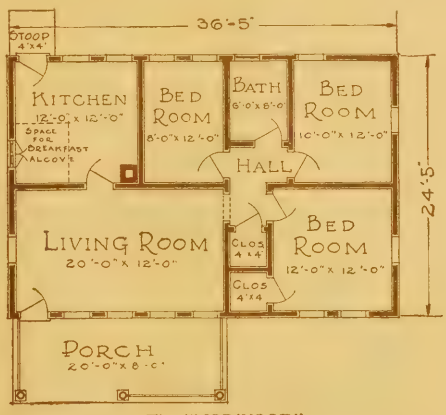
In Plan No. **450**, the bedroom adjoining the kitchen can be made into a dining room if three bedrooms are not needed. The kitchen of this plan is unusually large, providing a space for breakfast alcove if wanted. On page **32** we illustrate an outfit that can be used in this plan.

The larger size, Plan No. **451**, has every convenience that could be expected in a modern bungalow, plenty of closets are provided for and the cellar steps including stringers and treads cut, are all included in our price.

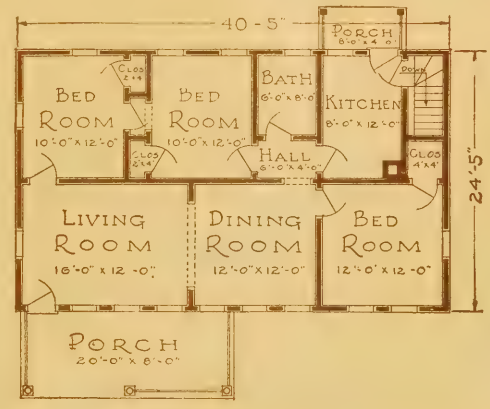
Both bathrooms have small half-size casement sash, that are hinged to swing in. This cottage is shown with No. **4** Outside Wall, but any other type of wall finish can be adapted.

For a permanent bungalow, we recommend the combination of No. **4** Outside Wall and Style "AP" Inside Wall which is fully described in the preceding pages.

One handy carpenter with about four helpers should have no difficulty in assembling this house above the foundation in four or five days. When you compare this with the usual sixty days to complete a home, you can quickly see where the saving is made.



The "NORWOOD"
Plan No. **38-C-450**. Size, 36'5"x24'5".
Five rooms, Bath, Closets, Front Porch and Rear Stoop.



The "NORWOOD"
Plan No. **38-C-451**. Size, 40'5"x24'5"
Six rooms, Bath, Closets, Cellar Stairs, and Front and Rear Porches.

	Plan No. 38-C-450	Plan No. 38-C-451
No. 1 Outside Wall	$1159.00	$1336.00
No. 2 Outside Wall	1183.00	1363.00
No. 3 Outside Wall	1124.00	1296.00
No. 4 Outside Wall	1268.00	1452.00
Add extra for Inside Walls		
Style "A" Inside Wall	$247.00	$282.00
Style "AP" Inside Wall	227.00	257.00
Style "B" Inside Wall	307.00	344.00

For detailed description of Wall Finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "DEVONSHIRE"

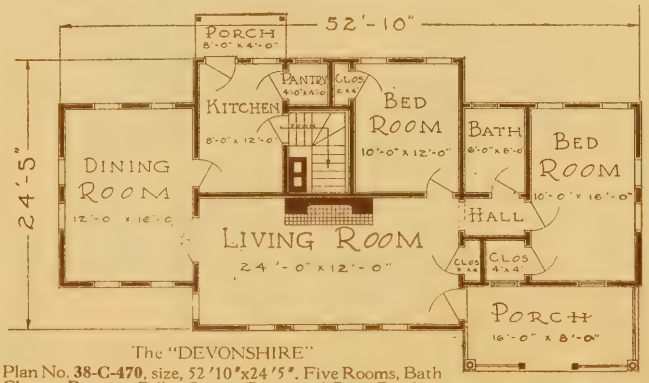
This roomy bungalow has every convenience that can be expected in the modern home and is practically flooded with sunshine. Note especially the wing that forms the Dining Room—it's a cheerful room with windows on three sides, plenty of sunshine and circulation of air. The wing on the other side provides for the good size Bedroom, with bath and closets.

The Living Room is unusually large—an attractive window seat can be installed in the front wall under the group of four windows. The French Doors to the Dining Room adds to the attractiveness of this room, also should a fireplace be built you will effect a great saving in not having to build an exterior fireplace, using the costly pressed brick. The flues for the heating plant can be combined with the fireplace flues.

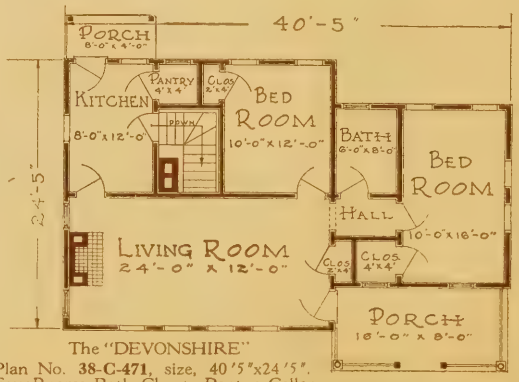
For the outside wall, we would recommend the No. **4** Wall, using the 8" Redwood Beveled Siding which we will furnish without extra charge if wanted in place of regular width siding as described in specifications.

Material for cellar stairs is included in our price as well as shelves for pantry and all closets.

The front porch roof is flat with just enough drop to shed water. It is built to fit right under the eaves of the main roof. If wanted the porch can be built on the left hand side of the house with a door into the Living Room, also a door into the Dining Room—it can easily be screened and made into an ideal Dining Porch for the summer.



The "DEVONSHIRE"
Plan No. **38-C-470**, size, 52'10"x24'5". Five Rooms, Bath Closets, Pantry, Cellar Stairs, Front and Rear Porches.



The "DEVONSHIRE"
Plan No. **38-C-471**, size, 40'5"x24'5". Four Rooms, Bath, Closets, Pantry, Cellar Stairs, Front and Rear Porches.

	Plan No. **38-C-470**	Plan No. **38-C-471**
No. **1** Outside Wall	**$1597.00**	**$1365.00**
No. **2** Outside Wall	**1629.00**	**1393.00**
No. **3** Outside Wall	**1549.00**	**1324.00**
No. **4** Outside Wall	**1731.00**	**1486.00**
Add extra for Inside Walls:		
Style **"A"** Inside Wall	**$302.00**	**$255.00**
Style **"AP"** Inside Wall	**281.00**	**236.00**
Style **"B"** Inside Wall	**370.00**	**308.00**

For detailed description of wall finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "ORLEANS"

You will marvel at this being a Sectional House. This hip-roof Bungalow is built under a "PRESTO-UP" system and in addition to the regular hip-roof construction, used on an ordinary house, such as built under old methods, it has "PRESTO-UP" Notch-lock trusses that support the roof so strongly that it cannot sag with the heaviest snow load.

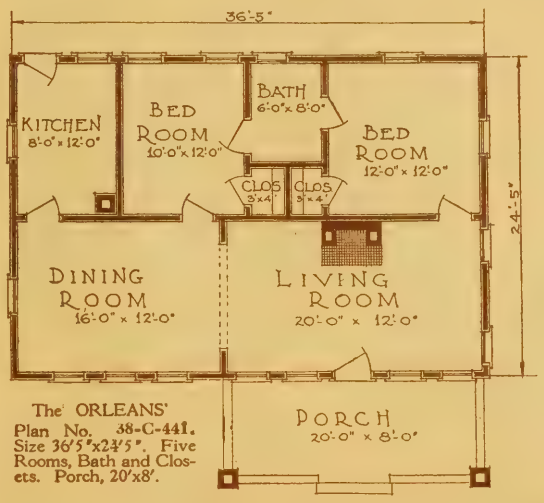
The porch and foundation, if a foundation is to be built, are intended to be of native stone, and if this is available it should be used so that the finished house will be just like the picture. Our price does not include cement porch floor or stone columns as illustrated. To add to the attractiveness of the bungalow these should be built. However, we can furnish wooden floor sections, columns, and railing at an extra cost. Rear stoop and hood, 4 feet square, is included in the price.

The floor plans are fine—large living room, dining room, pantry, kitchen, bathroom and two bedrooms. This ought to be Mrs. Newlywed's heart's desire, even if there are only sufficient funds on hand to order it in No. 1 outside wall. Improvements can always be made later when time and money are more plentiful.

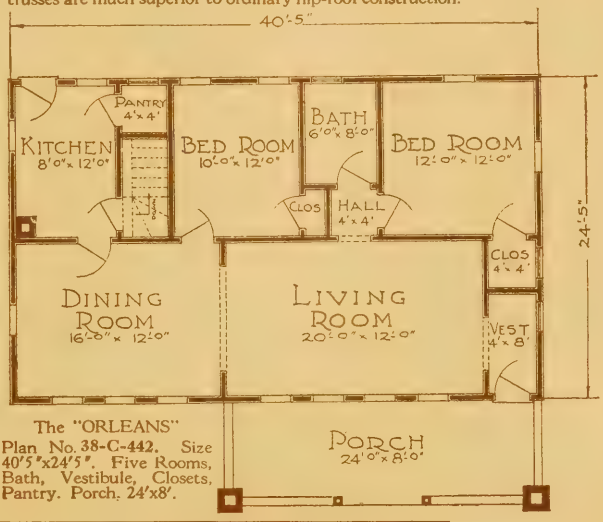
This house should be ready to move into in four or five days after you receive the material if you have three men of good, ordinary intelligence to do the work.

Can't you imagine how easy it is to screen in this porch and what a comfortable place to spend time outdoors? On No. 442 two 8'x8' square wooden columns are supplied to hold up the porch beam. Material for inside cellar stairs on plan 442, consisting of stair stringers cut, step treads cut, but to be nailed together on the job is included in our price. 4'x4' rear stoop and hood as shown on the illustration is included in both plans.

If Hip Roof is not preferred, the regular Gable Roof can be furnished at a slight reduction in price. "PRESTO-UP" Hip Roofs with "Notch-Lock" trusses are much superior to ordinary hip-roof construction.



The ORLEANS' Plan No. 38-C-441. Size 36'5"x24'5". Five Rooms, Bath and Closets. Porch, 20'x8'.



The "ORLEANS" Plan No. 38-C-442. Size 40'5"x24'5". Five Rooms, Bath, Vestibule, Closets, Pantry. Porch, 24'x8'.

	Plan No. 38-C-441	Plan No. 38-C-442
No. 1 Outside Wall	$1077.00	$1236.00
No. 2 Outside Wall	1088.00	1251.00
No. 3 Outside Wall	1035.00	1199.00
No. 4 Outside Wall	1161.00	1337.00
Add extra for Inside Walls:		
Style "A" Inside Wall	$ 252.00	$ 271.00
Style "AP" Inside Wall	236.00	249.00
Style "B" Inside Wall	308.00	335.00

For detailed description of Wall Finishes, see preceding pages.

"PRESTO-UP" PERMANENT BUNGALOWS

The "MONTESANO"

The "MONTESANO"

Plan No. 38-C-392. Size 24'5"x42'5". Six rooms, bath, closets, sun parlor, screened living porch and rear stoop and hood.

No. 1 Outside Wall	$1279.00
No. 2 Outside Wall	1305.00
No. 3 Outside Wall	1241.00
No. 4 Outside Wall	1400.00
Add Extra for Inside Walls:	
Style "A" Inside Wall	$ 281.00
Style "AP" Inside Wall	255.00
Style "B" Inside Wall	346.00

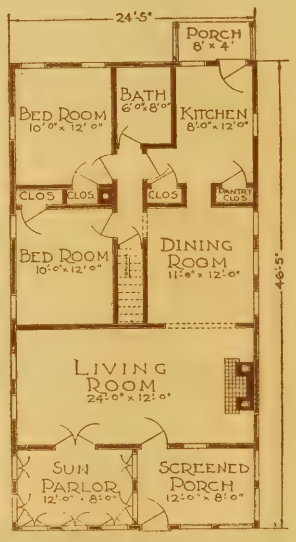
For detailed description of Wall Finishes, see preceding pages.

A charming series of Bungalows with plenty of room, and, best of all, at a surprisingly low cost.

A careful study of the preceding pages and the drawings shown here should convince you of the thoroughness with which we have developed this system and the improved method of the wall construction which eliminates the usual objection to sectional houses. This design is shown in No. 4 outside wall, the beveled siding to be nailed on over the sheathing already on the sections, after the sections are bolted together, making it considerably warmer than the average built house.

Study the floor plans, especially No. 393. What more can be desired?—good size Sun Parlor with French windows on all sides, and French doors from the living room—12'x8' screened living front porch with ceiling panels overhead. Living Room, dining room and bed rooms all on one side of the house—bathroom and kitchen arranged for plumbing on one stack. Light, ventilation and closets galore. On plan No. 393 material for inside cellar stairs, consisting of stair stringers cut, step treads cut, but to be nailed together, is included in our price.

If wanted "PRESTO-UP" houses can be built on posts and openings below covered with lattice or novelty siding. Plans are furnished on receipt of order showing you how to build your foundation, also erection plans, which are helpful in erecting your building. However, the construction of "PRESTO-UP" buildings is so simple that one handy carpenter and three or four helpers can erect the building in not over five days. Just think of the saving, instead of waiting sixty days for your house to be ready to move into, you are ready in a week.



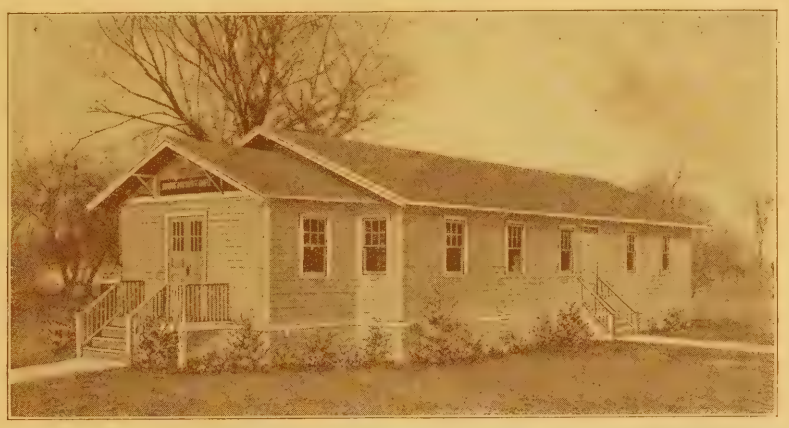
The "MONTESANO"

Plan No. 38-C-393. Size 24'5"x46'5". Five rooms: Bath, Closets, Cupboards, Sun Parlors, Screened Living Porch, and Rear Porch.

No. 1 Outside Wall	$1447.00
No. 2 Outside Wall	1476.00
No. 3 Outside Wall	1403.00
No. 4 Outside Wall	1573.00
Add Extra for Inside Walls:	
Style "A" Inside Wall	$ 315.00
Style "AP" Inside Wall	293.00
Style "B" Inside Wall	379.00

For detailed description of Wall Finishes, see preceding pages.

"PRESTO-UP" CHURCHES AND COMMUNITY BUILDINGS



The above is an actual photo of the "PRESTO-UP" Church erected by the Norwood Park Baptist Church, Chicago. The Building Committee of this Church investigated other makes of sectional buildings before placing their order, and the excellent letter of recommendation received from them after the Chapel was completed further convinced us that these buildings are the solution to the church or community building problem for small communities.

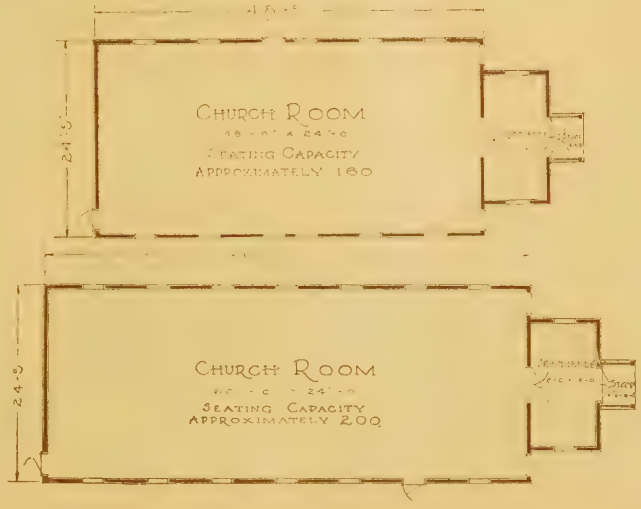
A church of this description, built under the old style methods, would cost anywhere from two to three times as much as the prices shown below. It is the quickest and best way for a community to get started and even after the building has served its purpose, it can be used for a Sunday School Room, Community Hall or can be converted into many other types of buildings.

Three sizes are quoted below, but we can furnish buildings to give more seating capacity at proportionately low cost. Furnished in combination of Wall Finishes as described on preceding pages. If vestibule is not wanted, there will be a reduction in price.

INTERIOR VIEW "VAULTED" or "ARCHED" CEILING—For Churches, Halls and Community Buildings, increasing ceiling height to 8′ 11″.

This shows the interior view with the vaulted ceiling giving 8′ 11″ height in the center without raising the height of the outside walls.

Our time payment plan will enable a congregation to get started. If the property is clear you can order the building with a payment of 50% and the balance in 12 equal monthly payments. See enclosed price list giving details.



	Plan No. 38-C-290 Size 24′5″x36′5″ Vestibule 12′x8′	Plan No. 38-C-291 Size 24′5″x48′5″ Vestibule 16′x8′	Plan No. 38-C-292 Size 24′5″x60′5″ Vestibule 16′x8′
No. 1 Outside Wall	$ 987.00	$1231.00	$1437.00
No. 2 Outside Wall	1007.00	1256.00	1467.00
No. 3 Outside Wall	957.00	1194.00	1394.00
No. 4 Outside Wall	1111.00	1367.00	1602.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$218.00	$265.00	$305.00
Style "AP" Inside Wall	209.00	253.00	291.00
Style "B" Inside Wall	279.00	344.00	402.00

For detailed description of wall finishes, see preceding pages.

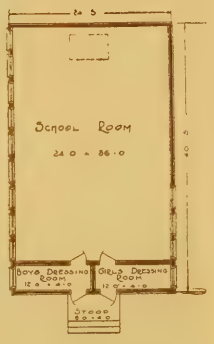
"PRESTO-UP" SCHOOLHOUSES

"PRESTO-UP" Schoolhouses will solve the problem for rural districts or localities where existing buildings are unable to take care of the heavy attendance.

The windows are arranged so as to give light from the left hand side. All sizes listed have separate Boys' and Girls' dressing rooms.

These buildings are furnished in any combination of wall finish as described in preceding pages. Vaulted ceiling giving 8'11" ceiling height as furnished on "PRESTO-UP" Churches can also be furnished at an extra cost.

We can furnish larger size buildings with any arrangement of rooms. Send us a sketch of your requirements.



A TYPICAL FLOOR PLAN offered in many sizes

	Plan No. 38-C-270 Size, 20'5"x36'5"	Plan No. 38-C-271 Size 24'5"x36'5"	Plan No. 38-C-272 Size 24'5"x40'5"
No. 1 Outside Wall	$781.00	$ 910.00	$ 990.00
No. 2 Outside Wall	797.00	926.00	1010.00
No. 3 Outside Wall	758.00	883.00	960.00
No. 4 Outside Wall	883.00	1022.00	1108.00
Add extra for Inside Walls:			
Style "A" Inside Wall	$164.00	$184.00	$198.00
Style "AP" Inside Wall	155.00	173.00	187.00
Style "B" Inside Wall	210.00	240.00	259.00

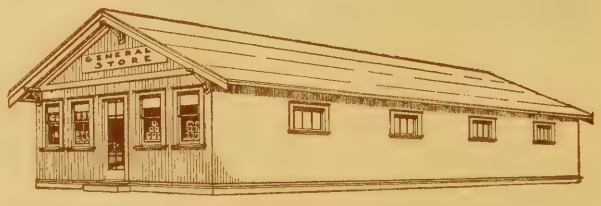
For detailed description of wall finishes, see preceding pages.

"PRESTO-UP" STORE BUILDINGS

In rapidly growing communities a "PRESTO-UP" Store Building will enable you to get started until sufficient funds are available for the permanent building.

These plans are furnished with regular Colonial Windows in front, but we can furnish large sections with openings for plate glass for an extra charge. Windows on the sides are half size, permitting shelves to be built underneath.

A TYPICAL FLOOR PLAN offered in many sizes



	Plan No. 38-C-295 Size 16'5"x24'5"	Plan No. 38-C-296 Size 20'5"x32'5"	Plan No. 38-C-297 Size 24'5"x48'5"
No. 1 Outside Wall	$441.00	$637.00	$ 983.00
No. 2 Outside Wall	450.00	650.00	1003.00
No. 3 Outside Wall	428.00	618.00	954.00
No. 4 Outside Wall	513.00	735.00	1121.00
Add extra for Inside Walls:			
Style "A" In. Wall	$ 95.00	$134.00	$206.00
Style "AP" In. Wall	89.00	127.00	194.00
Style "B" In. Wall	121.00	175.00	276.00

For detailed description of wall finish, see preceding pages.

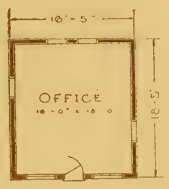
"PRESTO-UP" OFFICE BUILDINGS

FOR
REAL ESTATE OFFICES
GASOLINE FILLING STATIONS
SMALL STORES AND CONSTRUCTION OFFICES

"PRESTO-UP" Buildings for Real Estate or Construction Offices are very desirable. When all property has been sold and the building has served its purpose, it can easily be taken down and re-erected at a new location with practically no loss. In the old way of building, you were fortunate to realize 10 per cent of the cost in salvage. These buildings are furnished with large lights of Double Strength Glass, 48"x48" cut to fit into the opening in the section. For Gasoline Stations the floor can be omitted should you prefer to put in a cement floor.

FOUR SIZES TO SELECT FROM

Plan No. **38-C-190**
Size 12'5"x18'5"



Plan No. **38-C-191**
Size 16'5"x18'5"

Plan No. **38-C-192**
Size 20'5"x20'5"

Plan No. **38-C-193**
Size 20'5"x24'5"

	Plan No. 38-C-190	Plan No. 33-C-191	Plan No. 38-C-192	Plan No. 38-C-193
No. 1 Outside Wall	$273.00	$344.00	$430.00	$492.00
No. 2 Outside Wall	278.00	350.00	438.00	502.00
No. 3 Outside Wall	265.00	333.00	417.00	478.00
No. 4 Outside Wall	328.00	405.00	517.00	576.00
Add extra for Inside Walls:				
Style "A" Inside Wall	$63.00	$73.00	$ 93.00	$103.00
Style "AP" Inside Wall	68.00	67.00	86.00	96.00
Style "B" Inside Wall	79.00	91.00	118.00	133.00

For detailed description of wall finishes, see preceding pages.

"PRESTO-UP" BUILDINGS FOR WAREHOUSES, MACHINE SHOPS, PUBLIC GARAGES and GOLF CLUB LOCKER HOUSES

Many merchants in small towns have very desirable vacant property adjoining their store buildings that can be made to bring returns.

For example, a small building as illustrated, to be used as a Public Garage or Auto Repair Shop can be erected in quick time and the rental of the building will more than pay the taxes on the property.

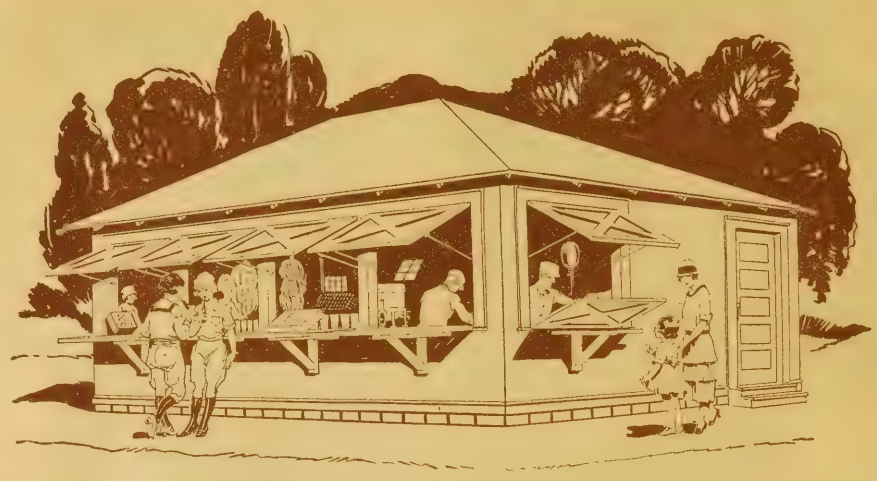
"PRESTO-UP" Buildings also make ideal locker rooms or caddy houses for Golf Clubs. For these types of building, regular sectional floors are included, but for warehouses, machine shops and public garages, no floors are included as in most cases cement floors are used. However, we will gladly quote on wooden plank floors if desired.

This plan is for a Warehouse, Public Garage or Machine Shop. For Locker Houses or Caddy Houses a door at each end of the building is furnished instead of the pair of doors. The type of windows remain the same on both type of buildings. Half casement sash are furnished "up high" allowing room for lockers underneath.

	Plan No. 38-C-285 Size 24'5"x40'5" Not including floor	Plan No. 38-C-286 Size 24'5"x60'5" Not including floor
No. 1 Outside Wall	$586.00	$756.00
No. 2 Outside Wall	598.00	771.00
No. 3 Outside Wall	569.00	733.00
No. 4 Outside Wall	708.00	915.00
Add extra for Inside Walls:		
Style "A" Inside Wall	$170.00	$236.00
Style "AP" Inside Wall	158.00	222.00
Style "B" Inside Wall	232.00	327.00
Add extra for regular "PRESTO-UP" Sectional Floor:	$268.00	$402.00

For detailed description of wall finishes, see preceding pages.

"PRESTO-UP" REFRESHMENT STANDS



"REFRESHMENT STANDS"

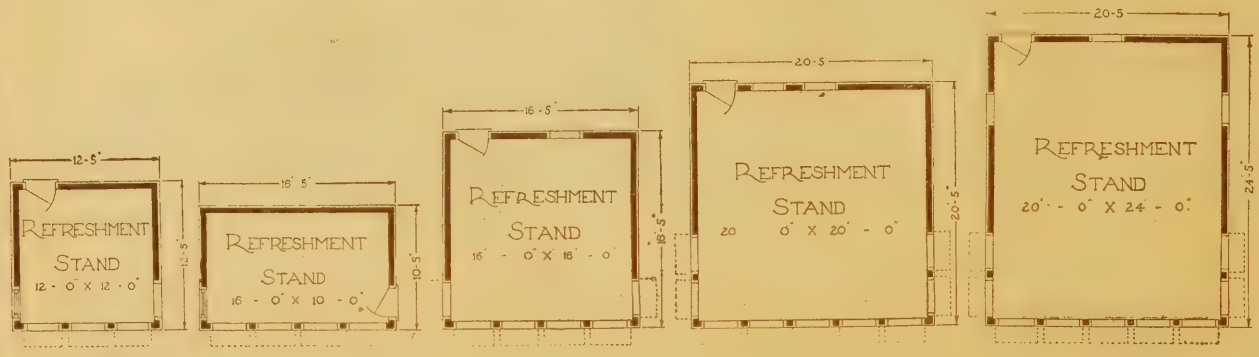
"PRESTO-UP" Highway Refreshment Stands are the most practical buildings ever built for that purpose. A "PRESTO-UP" Building can be taken down and re-erected as often as wanted, so that if the location does not prove successful—move it to some other place.

The illustration shows very clearly how the service openings are made. The canopy is supported by an iron bracket and drops down, while the shelf, also supported by brackets, folds up and the two meet and are fastened from the inside, showing a neatly paneled exterior wall when closed.

These buildings can be furnished with or without our regular "PRESTO-UP" Sectional Floors. Prices given below are for No. 1 Outside Wall only, but we will gladly quote on any type of Inside Wall if wanted. For description of other styles of in- and outside wall finishes see introductory pages of this section in this catalog.

FLOORS: Floors when ordered consist of 2x8 No. 1-YP joist spaced 16" on centers and regular floor section as described in specifications in preceding pages.

NOTE: All wall sections are interchangeable, so that sections with service openings can be placed wherever wanted.



"PRESTO-UP"
Refreshment Stand
Plan No. **38-C-150**—size 12'5"x12'5". No. 1 Outside Wall only, 3 service openings.
Without Floor...$180.00
Add for Floor.....$38.00

"PRESTO-UP"
Refreshment Stand
Plan No. **38-C-151**, size 16'5"x10'5". No. 1 Outside Wall only, 4 service openings.
Without Floor...$196.00
Add for Floor.....$42.00

"PRESTO-UP"
Refreshment Stand
Plan No. **38-C-152**, size 16'5"x16'5". No. 1 Outside Wall only, 6 service openings.
Without Floor...$260.00
Add for Floor.....$70.00

"PRESTO-UP"
Refreshment Stand
Plan No. **38-C-153**, size 20'5"x20'5". No. 1 Outside Wall only, 9 service openings.
Without Floor...$353.00
Add for Floor....$109.00

"PRESTO-UP"
Refreshment Stand
Plan No. **38-C-154**, size 20'5"x24'5". No. 1 Outside Wall only, 9 service openings.
Without Floor...$413.00
Add for Floor....$130.00

50 MILES of PRESTO-UP GARAGES! Stand Erected in America Today!

PRESTO-UP
"The Garage Complete"

FOOD FOR THOUGHT!!

Fifty miles of Garages — just think of it! If all the "PRESTO-UP" Garages that are erected in America were placed side by side, allowing a clear space of 4 ft. on each side of every garage, it would make a stretch approximately fifty miles long

This is food for thought and can mean but one thing—exceptional value, excellent service and everlasting satisfaction for the customer.

"The Garage Complete" is what you get when you buy a "PRESTO-UP" Garage. There are no extras to buy.—When a "PRESTO-UP" Garage has been unloaded on your lot, it is ready to be erected and occupied the same day. They are completely fabricated at our factory—doors and windows are already fitted into the sections and the building is painted before it is shipped out. The large doors, which are continually exposed to the weather, are painted **both** sides. Complete hardware equipment, including the 3-key Yale Lock for service door, extra heavy fancy "T" Hinges, foot and chain bolts, door handles and Patented door holders are furnished for the auto doors. Guaranteed slate surfaced roofing is furnished and the quality of material used thruout the building is of the best.

Read the specifications on the following pages—study the construction details and the reproduction of the photographic erection instructions which show clearly how easily these buildings can be assembled.

The following pages describe all types of Garages that will harmonize with any type of architecture. "PRESTO-UP" Garages are attractive—they are designed in proper proportion with sufficient ornamentation, but not too "frilly."

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

MANY REASONS WHY "PRESTO-UP" GARAGES ARE IN USE BY OVER 5,000 PERSONS IN THE CITY OF CHICAGO ALONE

Why You Should Own Your Own—50 to 500% on Your Investment

IF the President of your Bank said, "Mr. Jones, you have been a good customer and I have decided to let you in on something good, guaranteed to net you 15 to 20% on your investment," would you invest? The chances are ninety-nine out of a hundred you would.

Our price on an average size first class Garage is about $150.00. If your garage rent is as low as only $6.25 per month, it is costing you $75.00 per year. If you purchase a "PRESTO-UP" Garage you earn this $75.00 the first year, therefore, make 50%. At the end of your second year your original investment is paid out and at the end of ten years your investment has earned 500%.

In addition thereto you avoid the nuisance of going to and from a public garage, damaged fenders, petty pilfering, and joy riding your machine is subject to when out of your hands—to say nothing of the decreased cost in the upkeep of your car because it will be handy to you so you can take better care of it yourself.

INVEST TODAY Enjoy the great comforts of owning your own garage in addition to getting these big returns on your investment.

LOWEST PRICES

The Reason: To build a garage of the same size and style as a "PRESTO-UP" Garage with as good material and as strong construction by the slow hand method would cost easily double the amount. "PRESTO-UP" Garages are machine and template made, all work is done on "forms" that permit no error in measurements, practically no waste in material, and top speed in production. Nearly 90% of the work is machine work—electrical driven saws—mortisers—borers—screw drivers—gang drills, and a multitude of other new and improved labor-saving methods.

The above, coupled with careful study, and a multitude of experiments in the selection of proper materials, not only for strength, but for economy in manufacture, ease of erection by the customer and neatness in appearance, resulted in a happy and practical combination, which enabled us in many instances to buy material for nearly 25% to 50% less than material used to answer the same purpose under the old hand method of construction.

This saving is passed on to you in low prices and the better value in these buildings, which come to you in conveniently handled sections that can easily be bolted together, painted, all doors, windows and hardware already applied, so that within a few hours after your building is laid out on your premises it can be erected and moved into.

PERMANENT CONSTRUCTION

The Reason: "That seems unnecessarily heavy," is the remark often heard. Careful study has, however, been given the required part for each and every unit, its strength, its lasting qualities, its practicability and appearance when finished.

Away above average quality material is used thruout. Clear kiln-dried Oregon Fir Siding. Much better than the usual No. 1 grade of framing lumber, and the roof boards are likewise in most instances, even better than a No. 1 grade, whereas, in the average hand built garage only a No. 2 Common grade is used. The tremendous quantities, and the speed with which material is put thru the machines—right from the car doors to the machines—prohibits re-grading, and you get the benefit of the higher grades without the extra cost.

EASIEST TO ERECT

The Reason: Over 5,000 "PRESTO-UP" Garages stand erected in the City of Chicago alone, and of this quantity easily 75% were erected by owners. A garage may seem ever so cheap, if you spend what you saved in purchase price, in the cost of erecting same, you have not gained anything.

In designing "PRESTO-UP" Garages, better material and heavier construction than actually necessary has been specified in many instances, so as to make it easier for the purchaser to erect. You can hardly go wrong unless you are willfully careless. It is practically impossible to proceed in a wrong manner, because of the "fool-proof" method in which the assembling has been worked out to the last detail.

You, yourself, and one or two helpers, can erect an average size garage in five or six hours, figuring, of course, everything above the foundation. It has been done hundreds of times. Complete, simple and easily understood plans are furnished with every order.

ATTRACTIVENESS

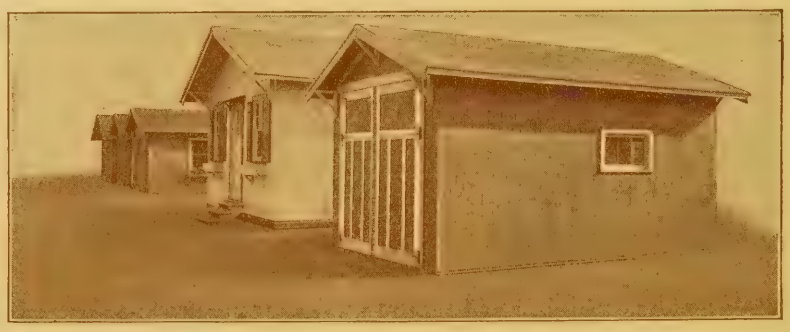
The Reason: "PRESTO-UP" Garages are manufactured to harmonize with various types of architecture. Attractive because designed in proper proportions, with sufficient ornamentation so as not to be "frilly" and yet far above the common-place class in spite of our lower prices.

"PRESTO-UP" Patented construction means invisible joints on the outside walls with no indication whatever of the building being sectional, all of which does not cost you any extra because it has all been taken care of in the designing.

A well constructed, good looking garage is a valuable asset and adds much to the appearance of your property, to say nothing of the great convenience both in winter and summer, regardless of weather conditions. "PRESTO-UP" Garages are so manufactured that they are easily lined either with wood lining, plaster board or wall board, or can be purchased already lined at a minimum cost.

"PRESTO-UP" Garages are easily heated with any kind of heat, and where there are electric lights, electric heaters can be placed under the hood; these can be purchased for $5.00, and are practically all that is necessary, except in severest climates.

IS THERE ONE GOOD REASON WHY YOU SHOULD NOT ORDER YOUR "PRESTO-UP" GARAGE TODAY?



HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

A REPRODUCTION OF THE

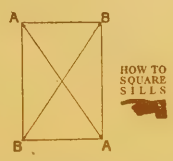
COMPLETE AND EASILY UNDERSTOOD PLANS FURNISHED WITH EVERY GARAGE

YOU CAN'T GO WRONG. THIS SHOWS HOW SIMPLE IT IS TO ERECT ANY "PRESTO-UP" GARAGE

5,000 "Presto-Up" Garages Erected in Chicago—75% of them have been Erected by Owners

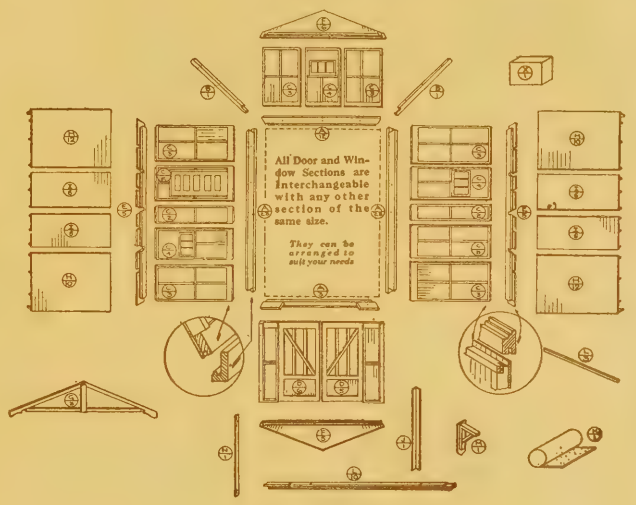
ERECTION PLAN
of
"PRESTO-UP"
PATENTED
BOLT-TOGETHER GARAGE

SIZE 12'6 x 18'6'
MODEL "A"



HOW TO SQUARE SILLS

It is easy to square sills. To square your foundation end-sills take two of the 1 x 3 side eave strips — tack them together to make one long stick (or a tape line will do). To square the sills, measure from "A" to "A" and "B" to "B." When these two distances are equal the sills are square.



INDEX OF UNITS

NOTE: If units are used in alphabetical order, as listed below, considerable time will be saved in erecting this Garage

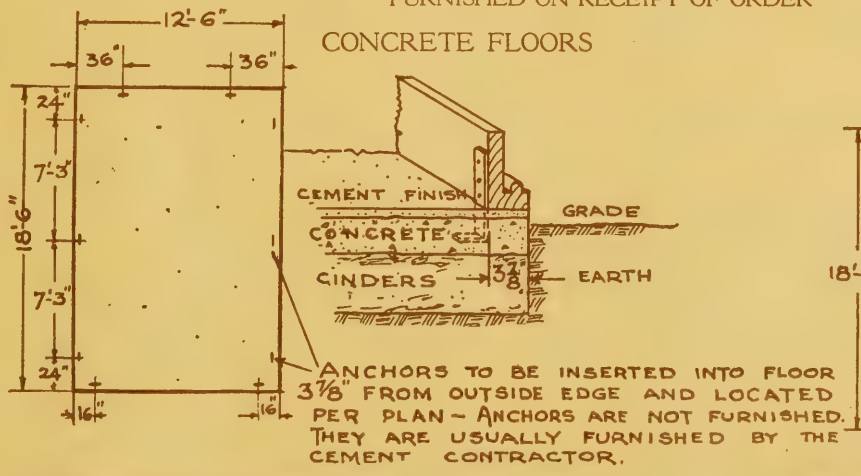
No. of Units	Unit No.	DESCRIPTION
1	X-1	Box Bolts, Foot & Chain Bolts, Nails, etc.
1	A-3	Front Sill
1	A-12	Rear Sill
2	A-23	Side Sills
2	B-1	Corner Posts
2	C-2	2 ft. Plain Wall Sections
7	C-3	4 ft. Plain Wall Sections
3	C-4	4 ft. Sash Window Sections
1	C-6	4 ft. Plain Side Door Section
1	D-5	Right Hand Garage Door Section
1	D-6	Left Hand Garage Door Section
2	E-5	Top Wall Plates
1	F-5	Front Gable
1	F-6	Rear Gable
3	G-3	Roof Trusses
2	H-10	End Roof Sections
2	H-12	End Roof Sections
4	I-6	Center Roof Sections
4	J-1	Corner Boards
4	K-1	Rolls Roofing
4	L-3	End Eave Strips
45 L. ft.	L-10	Side Eave Stripe
6	M-1	Brackets & Backs
1 pc.	N-1	Siding—Extra—in case of damage
1 pair		"Presto-Up" Door Holders

-"PRESTO-UP"-
TRADE-MARK
BOLT-TOGETHER GARAGES & BUNGALOWS
PATENTED APRIL 1, 1913—SEPTEMBER 1, 1914
MARCH 23, 1915
OTHER PATENTS PENDING
MANUFACTURED EXCLUSIVELY BY
HARRIS BROTHERS CO.
35th AND IRON STREETS

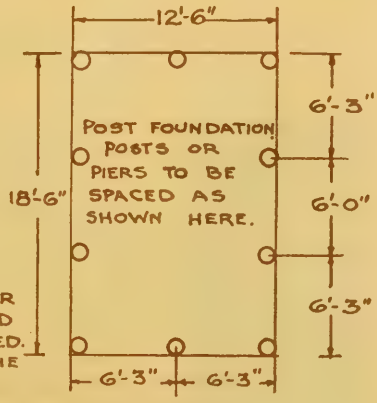
FOUNDATION PLANS FOR "PRESTO-UP" GARAGES

FURNISHED ON RECEIPT OF ORDER

CONCRETE FLOORS



POST FOUNDATIONS

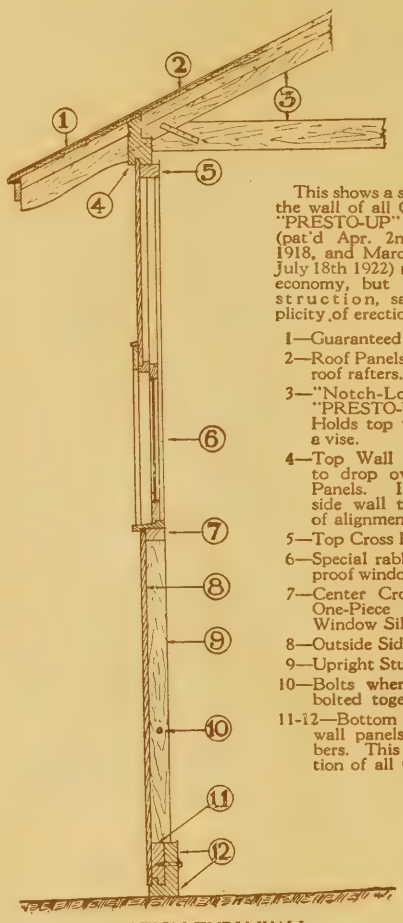


IN BUILDING concrete floors, the plan shown above should be adhered to carefully. We have found the most practical and economical method of fastening the garage sills to the concrete floor is by means of iron straps, as illustrated. Be sure and see that the outside measurement of your foundation is the same size as the garage. As you will note above we are taking the 12'6"x18'6" as an example and the outside measurement of the concrete floor is also 12'6"x18'6". The iron strap anchors, if placed according to the measurements given, will come flush with the inside of the garage sills and can be spiked or fastened to the sills with lag screws.

POST FOUNDATIONS

When the garage is set on cedar posts or piers, it is recommended that 6" cedar posts be used or 6" concrete or stone piers. These piers are to be set according to the plan above. For example on the 12'6" x 18'6" building, the outside measurement of the piers should be 12'6" x 18'6" and to be spaced as shown above. Sills of the garage can be spiked to the posts or anchored with iron straps. Where the ground is level it is not necessary that the posts be set more than 2 or 2½ feet into the ground.

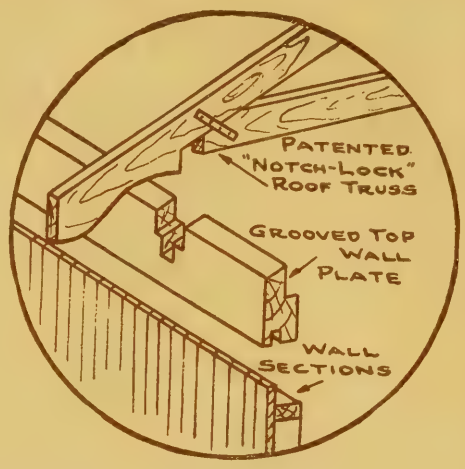
DETAILS "PRESTO-UP" PATENTED CONSTRUCTION



SECTION THRU WALL

This shows a section through the wall of all Garages. This "PRESTO-UP" construction (pat'd Apr. 2nd, Sept. 3rd, 1918, and March 22nd, 1921; July 18th 1922) means not only economy, but superior construction, safety and simplicity of erection.

1—Guaranteed Roofing.
2—Roof Panels fit in between roof rafters.
3—"Notch-Lock" (Pat'd). "PRESTO-UP" Truss. Holds top wall plate like a vise.
4—Top Wall Plate grooved to drop over Side Wall Panels. Impossible for side wall to become out of alignment here.
5—Top Cross Brace.
6—Special rabbeted weather-proof window.
7—Center Cross Brace and One-Piece Weather-Proof Window Sill.
8—Outside Siding.
9—Upright Studs.
10—Bolts where sections are bolted together.
11-12—Bottom Cross Brace on wall panels and sill members. This is the construction of all Garages.



Here we show an enlarged detail of the "notch-lock" roof truss, grooved top wall plate, and the top of the wall section which shows you at a glance how strong and practical this combination of units makes your garage. The "notch-lock" truss locks right into the top wall plate preventing any possible spreading of roof.

The top wall plate locks down on to the siding again preventing any unevenness or spreading of the side wall, and simplifying, indeed, the completion of this part of the building, which generally is considered a difficult part in all buildings except "PRESTO-UP" Buildings.

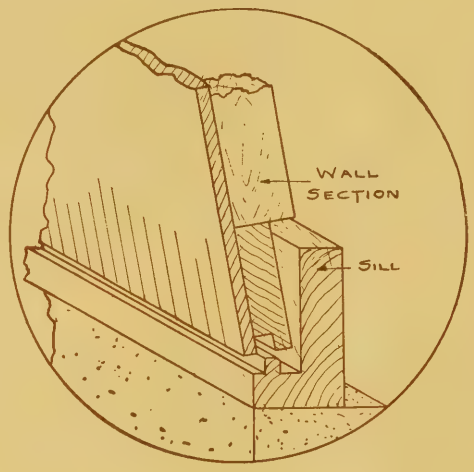


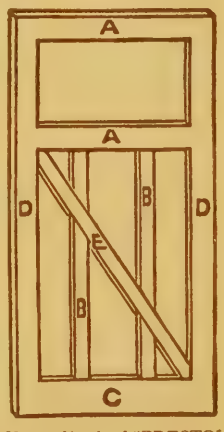
Illustration at the left shows an enlargement of "PRESTO-UP" Sill Construction. You can see that it is an easy matter to drop the wall sections on to the sill requiring little or no bracing while the bolting together is going on, and guaranteeing you true and perfect alignment.

If your sills are square and level there is nothing simpler than dropping the sections into place and bolting it together. Heavier and better material is used by far than on the average hand built buildings.

DETAILS OF "PRESTO-UP" NO-SAG GARAGE DOORS

Front View of PLAIN DOORS

All doors are painted one good priming coat on both sides. Made from Clear Oregon Fir Lumber. The top and middle cross member (a) 2x6. Vertical Mullions (b) 2x4. Bottom cross member (c) 2x8. Outside stiles (d) 2x6. Net thickness of the door is about 1⅝ inches. All members are deeply rabbeted to receive the Clear kiln-dried Fir Beaded Ceiling under tremendous pressure, by special machinery. The back of the door is braced diagonally (e) and this brace is dadoed into the 2x4 stiles (b) so that it not only gives a shoulder and heel brace but also two center braces. It is the dadoeing of the mullions (b) into which the diagonal brace (e) is fitted that positively prevents sagging.



View of back of "PRESTO-UP" Door (see specifications)

SPECIFICATIONS OF MATERIAL AND CONSTRUCTION

COVERING THE MANUFACTURE OF

"PRESTO-UP" PATENTED BOLT-TOGETHER PERMANENT GARAGES

WE CANNOT urge you too strongly to read every word of the following specifications. It gives you a clear and complete insight into the many exceptional qualities both in material and method of construction used in the manufacture of our Patented "PRESTO-UP" Buildings. It is a pleasure to be able to print such excellent specifications; there is nothing to hide and many good things to show and that is why we do not hesitate to give you full information on the subject.

SPECIFICATIONS

FOUNDATION SILLS: for "PRESTO-UP" Garages are equivalent to practically a 4x8 timber when the wall sections are in place. They are made of strong, straight, selected No. 1 grade Southern Pine. They form a lock joint holding the wall sections permanently in place, making it easy for one man to put the sections in place himself.

CORNER POSTS: Corner posts are interchangeable like the sections and when in place give a corner timber construction practically equivalent to a 4x5 timber. "PRESTO-UP" system eliminates special corner sections.

OUTSIDE WALLS: The outside walls consist of "sections" or panels made up in one, two and four foot widths. All wall sections are interchangeable. These "sections" or panels are made up as follows:

SIDING: Clear kiln-dried Oregon Fir Siding, tongued and grooved, beaded on the outside and beaded or planed smoothly on the inside, applied vertically. Manufactured from three-quarter inch stock finished five eighths inches.

STUDDING: The studding is No. 1 and better grade Southern Pine, surfaced four sides, average distance apart sixteen inches. They are used in pairs every four feet where bolted together, with an additional stud in between, making three studs to forty-eight inches of wall. The studding is two by three. Two by four is not necessary in our construction on account of the three horizontal cross braces, all of which are halved at joints, give more than the necessary strength and hold the sections square and true.

CROSS BRACES: There are two horizontal or cross braces of two by three inches which are secured to the studs at the top and center, one 2x6 at the bottom of the section, by halved joints, nailed with cement coated nails. The inside of the panels show a neat symmetrical distribution of timber.

TOP WALL PLATES: Fir and Yellow Pine built up equivalent to practically a four by six timber. This plate has a groove in it that drops right down over the siding on the wall sections and holds it in a vise-like grip, keeping the walls in alignment. It has notches properly spaced to receive the patented "PRESTO-UP" notch-lock truss, which locks and prevents any spreading of walls or roof.

ROOF TRUSSES: Manufactured of No. 1 and better grade Yellow Pine, two by fours with one by six scientific braces, reinforced with iron straps and made so as to form a notch-lock that drops into the top wall plate and holds the entire building in a firm grip. These "PRESTO-UP" trusses not only make a roof much superior to any other on the market, but make it a simple matter for any amateur to erect and make a good job of it.

ROOF SECTIONS: Are manufactured of No. 1 quality Southern Pine Ship Lap. Beaded on the under side to give a neat and finished appearance. Roof sections are made so they will easily drop in place between the trusses, and have additional rafters on them to add still more strength. Illustrations of these trusses are given in other pages in this book.

FRONT DOORS: "No-Sag" front doors are furnished with every garage. These doors are our own exclusive design and manufactured only by us. Guaranteed not to sag.. See page 228 for additional information about construction. They are manufactured of best grades of Clear lumber, regular two inch stock is used, but when surfaced and machined and finally finished the thickness is reduced to one and five eighths. Clear Oregon Fir is used thruout. They are mortised, tenoned, glued and pinned.

SIDE DOORS: Side door, of course, comes to you already in the section with hardware all on and you can place this section wherever it is most convenient to your individual requirements. The side door is either plain or glazed, depending upon the model of the garage you purchase and is generally a 2'6" x 6'6" panel door.

WINDOWS: The window sash as shown in Models "A" and "C" are regular three light sash, making the entire window 34" wide by 21" high. This window slides up in a grooved slide. The bottom of the sash is specially rabbeted as is also the sill and when closed makes a dust and storm proof job. When the window is raised it rests upon a ledge provided for that purpose.

On Models "B," "D," "E," and "G" we use our regular "PRESTO-UP" House windows, the size of which is 28"x46" overall. There are two sash to the windows, one above and one below, the one above being divided into six lights making it very attractive. Windows are equipped with special tension and anti-rattle springs, to permit raising and lowering window to any position. Sash lock and lift attached. The outside has the usual house trim and the inside is trimmed with one by two grooved band, neatly mitered, complete with window stool.

PAINT: Garages come to you painted, one good heavy coat of outside paint, stock color medium gray for the body, white trim and sash. Our stock color is such that it will take almost any finishing coat.

ROOFING: Roofing supplied is best quality Red or Green Slate surfaced Roofing. Guaranteed, when laid according to directions, to last fifteen years. Sufficient nails, cement and complete instructions are included with each roll, showing the proper way to apply the roofing. Individual, four-in-one Slab Shingles or roofing stamped like shingles can be had at an extra cost. Prices upon application.

HEIGHT: The height of wall to plate on all Garages is 8'.

Height overall on all models is as follows:

On Garages 9'-6" wide—height to highest point of roof, 10'- 7½"
On Garages 10'-6" wide—height to highest point of roof, 10'-10"
On Garages 12'-6" wide—height to highest point of roof, 11'- 3½"
On Garages 16'-6" wide—height to highest point of roof, 12'- 2½"
On Garages 18'-6" wide—height to highest point of roof, 12'- 9"
On Garages 20'-6" wide—height to highest point of roof, 13'- 3"

EAVES OVERHANG: In figuring the amount of space overall, required for a Garage including the overhang eaves, add 3 ft. to the width of the Garage also 3 ft. to the length. For example a 10'6" x 16'6" Garage—the space needed will, approximately, be 13'6" x 19' 6".

HARDWARE: The hardware we furnish, consists of the following:

CYLINDER LOCK: Genuine 3 Key YALE cylinder latch furnished for service door.

HINGES: Special fancy japanned 10" strap by 2½"x7" butt, extra heavy T hinges with No. 14 japanned screws. Hinges are already applied to doors.

"PRESTO" DOOR HOLDERS: The greatest convenience of the age. They hold the large doors automatically in place, when open; pull the chain and they are released as you close them.

CROSS LOCK BAR: A Cross Bar is furnished for each pair of large doors. This bar is bolted to the large doors and holds same rigidly in place on the inside. With the foot and chain bolt properly in place it gives ample protection.

FOOT BOLTS: 6"x¾" black japanned brass coil spring foot bolts. Positive toe-lever action.

CHAIN BOLTS: ¾"x6" black japanned chain bolts, furnished with Duplex Steel Safety Chain with pull ring and staples.

DOOR HANDLES: For each pair of auto doors and service door.

DIRECTIONS: Directions are furnished with every Garage. They are hardly necessary. The construction is so clear that the method of bolting the garage practically suggests itself. See reproduction of direction plans in this catalog.

FOUNDATION: See page 227 of catalogue for further details. Foundation must be level and square. This is imperative. Garage can be set directly on the earth, or cinders, or posts, or piers, of brick, stone or concrete, or concrete foundation walls, and when placing same bear in mind that the outside measurements of our foundation sills are the same as the size given for the Garage, for instance, if you buy a 12'-6"x16'-6" Garage and build a concrete foundation, see that the outside of same is exactly 12'-6"x16'-6" and the sills of our building will then fit down upon it perfectly. The same holds good for piers or posts unless you want to have them extend out beyond the sills of the building.

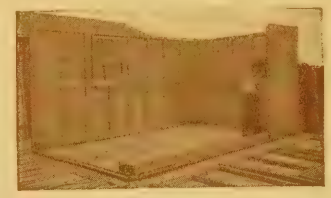
PATENTS: Various new and improved features of "PRESTO-UP" Buildings are patented—April 2nd, 1918, Sept. 3rd, 1918, March 22nd, 1921, July 18th, 1922, other patents pending. The right is reserved to make changes in construction and material as improvements may necessitate.

A REPRODUCTION of ERECTION INSTRUC

1 Arrange the units or sections so that the doors, windows and all other units can be picked up and put right in place; you will save 25% of your time.

2 Here you see the two men have put the "PRESTO-UP" sills down and are "squaring them up." By that is meant that they see to it that the building will be square.

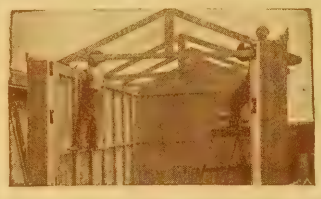
3 The men have now spiked the sills at the corners and are leveling up the sill. They must be level, as would be the case on any kind of a building.



7 Here you see the men coming toward us with the wall sections. The groove at the bottom of the sections, and the tongue on the sill makes it easy for two men to bolt the building together.

8 Here is the last wall section sliding into place. We will now soon be ready for the door post section, and the first thing you know the whole garage will be up and ready to drive into.

9 Here you see the men putting the door post section in place. This, likewise, fits on a tongue at the bottom and by bolting same to the corner section with all three bolts, you will be ready for the doors.



13 Now here is one of the exceptional merits of "PRESTO-UP" roof construction, the Patented Notch-Lock Trusses drop into place. They will stand up without any bracing or nailing.

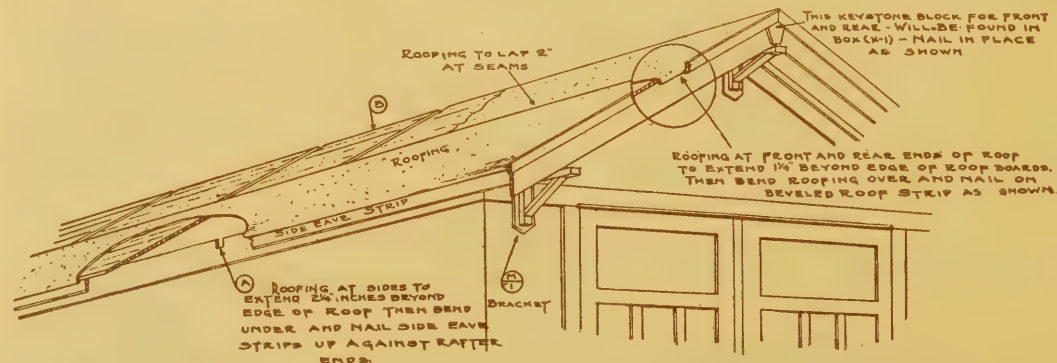
14 Here is the Front Gable going into place. This gable section also has a deep groove which drops down over the projecting siding on the Door Post Sections and holds it in a vise-like grip.

15 Here starts one of the most interesting parts of "PRESTO-UP" erection. Start at the rear, first one side and then the other—not all one side and then the other side.

19 Roofing. Start from the bottom. It is always best to cut the lengths on the ground; roll them up, hand them to the man on the roof—the balance is easy.

20 In this photograph you see the men putting on the Side Eave Strip. See drawing below for proper way to finish same.

21 The men putting on the inside lock bar. One man is putting on the wedged-shape piece which causes a tension on the bar. The man to the right is putting on the bar.



SPECIAL NOTE: When placing roof sections keep them out of the notches in the top wall plate "A" until you have fitted them tight at the peak or ridge "B" of the roof and nail them there on the truss. If they do not drop perfectly into place swing which ever way is necessary.

PATENTS

"PRESTO-UP" Construction Is Patented.

April 2, 1918 September 3, 1918 March 22, 1921

Other Patents Pending

TIONS furnished with "PRESTO-UP" GARAGES!

4 Now apply the corner posts to whatever sections you may wish to place in the corner, and remember that practically all sections are interchangeable.

5 Here the first wall section going into place. This has the corner post attached, as shown in previous photograph. The next section to put up is the one to the left, this will make a corner.

6 Here you see how the work of putting the sections together has progressed. All sections are grooved at the bottom, and slide easily along the tongue in the sill.

10 Here the men are applying the corner boards. These are furnished made up, ready to slide in place. This should be done before the top wall plates (shown in the next picture) are applied.

11 Here you see the notch-lock top wall plate is going into place. This plate has a deep groove that drops right down over the siding and holds it permanently in place.

12 The top wall plates on both sides have now been applied and the men are putting on the rear gable. This rear gable has a 2x3 at the bottom that lays flush on the top cross member of the wall sections.

16 Here you see continued progress being made with roof sections. You can observe that the ridge of the roof is straight as a "die" and will continue to remain straight if the building is put up correctly.

17 In this picture you see one man with a piece of lumber pushing up the end roof section so that the peak meets correctly and while thus holding, the man at the peak nails it tight and it is there to stay.

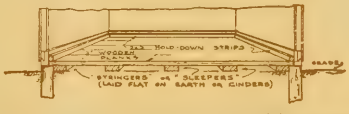
18 The doors are now being put back into place. The workman is putting the loose pins back into the hinges. After they have been put in you can take a hammer, and strike a few blows on the end of the pin.

22 The finishing touches are now being put on. The front roof "eaves strip" is on and the last bracket is being put in place. Please note that it is impossible to tell that this is a sectional building.

23 Here is the finished product. It will look just the same if you put it up correctly. All units, and in fact, every item entering into the construction of these wonderful buildings is cut or manufactured according to fixed patterns.

Directions for Laying Wooden Floor

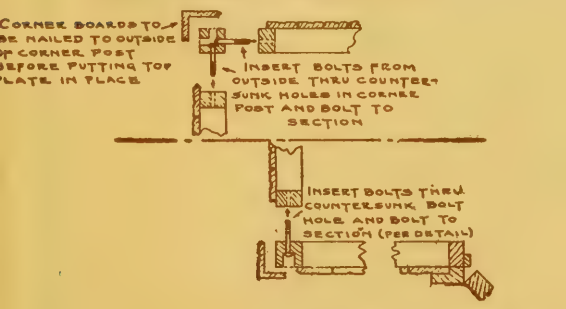
Wooden Floors are extra and are not included in the regular price of our Garages.



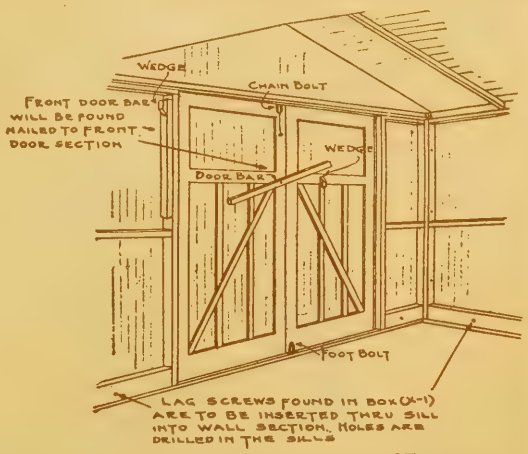
First put in bed of cinders, ashes or hard earth; cinders preferably. Then lay the stringers or sleepers on top of cinders, so that there will be an air space.

A 2" plank is heavy enough to support any car, provided stringers are placed under the floor about where the wheels of the car usually go. On the right and left hand side, as well as the back, you see a 2x2 "Hold-down" strip. After you have laid your floor crosswise as shown, then nail this "Hold-down" strip on the side sills, as it will keep the plank from having a tendency to turn up at the ends. Material when ordered is furnished you ready-cut to proper length; all you have to do is to lay it in place and nail it.

REAR CORNER CONSTRUCTION.



FRONT CORNER CONSTRUCTION.



INTERIOR VIEW-LOOKING TOWARD FRONT DOORS.

MODEL "A" SINGLE "PRESTO-UP" GARAGE

MODEL "A"—Gable Roof

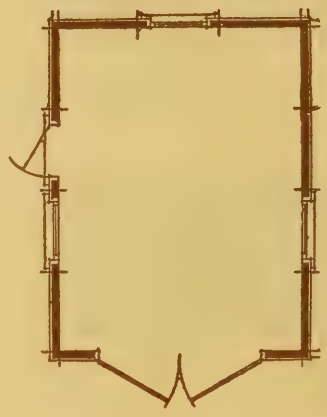
We have endeavored to explain very carefully in the preceding pages the superior method of "PRESTO-UP" construction as well as the excellent grades of material used.

Here we show an actual photograph of the Model "A" Single Garage that has been sold to 75% of the 5000 "PRESTO-UP" Garage owners in the City of Chicago. There are no fancy, useless "frills" about this building, still it is far more attractive than most similar buildings built in the old fashioned saw and hammer method. Remember this, when a "PRESTO-UP" Garage is unloaded on your lot it is complete, there is no sawing or carpenter work to be done on the job, no "muss" around your yard. In 6 to 8 hours you can easily erect one of these garages.

This model is made in six sizes, from the smallest which is suitable for a Ford Roadster to the largest size that will accommodate any average Seven Passenger car on the market.

All Model "A" Single Garages are furnished with three sash windows, one service door, and a pair of large automobile doors as described under specifications on preceding pages. Door and window sections are interchangeable and you can arrange them to suit your individual needs.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts and the "PRESTO" Door Holders for auto doors.



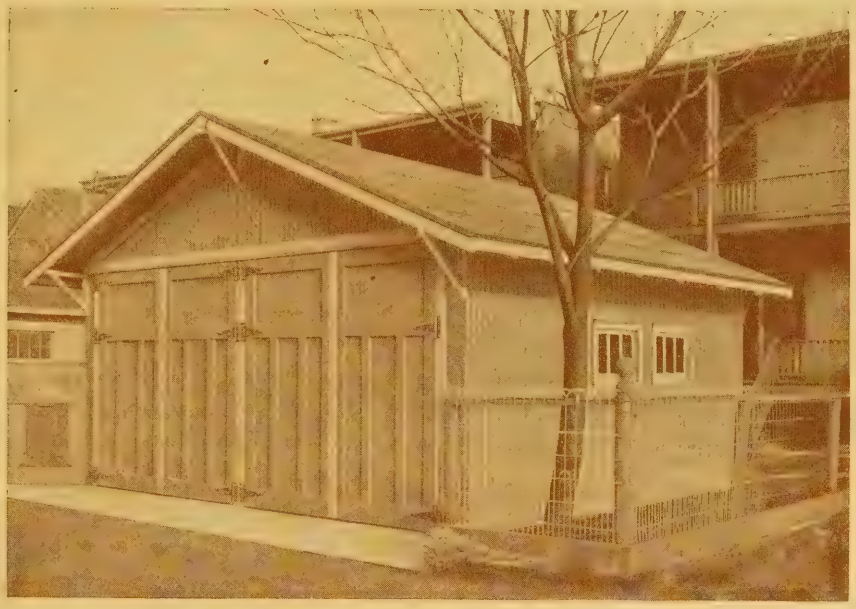
The above floor plan for a 12'6" x 16'6" Model "A" is merely given to show the number of doors and windows furnished on all Model "A" Garages. Bear in mind the sections are interchangeable and when you receive your Garage you can arrange the door and window sections around to suit.

MODEL "A"—ONE CAR GARAGES

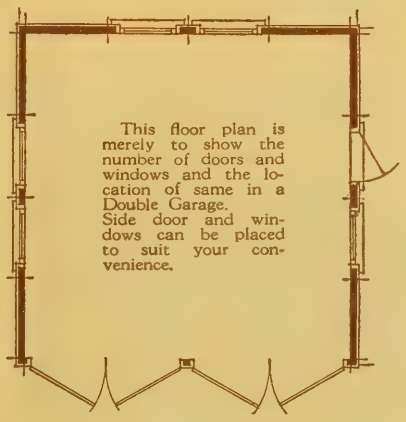
No.	SIZE Width Length	No. of Windows and Doors	Approximate Weight, lbs.	Cash Price
38-C-2	9'6"x14'6"	Three Sash—One Plain Service Door—Plain Auto Doors.	2400	$135.00
38-C-5	10'6"x16'6"	"	2700	152.00
38-C-6	10'6"x18'6"	"	3000	164.00
38-C-8	12'6"x16'6"	"	3100	166.00
38-C-9	12'6"x18'6"	"	3300	176.00
38-C-10	12'6"x20'6"	"	3600	189.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

MODEL "A" DOUBLE "PRESTO-UP" GARAGE



MODEL "A"—Gable Roof



Model "A" Double Garages are furnished in five different sizes. If you have sufficient room on your lot for a double garage it certainly is the best investment. Prices are proportionately lower than on Single Garages, and even if you only rent out one side at $8.00 per month for six months out of a year—plus your own saving—you are still making nearly 50% on your investment for the first year.

This Model is furnished with five sash windows, one service door, and two pairs of automobile doors as illustrated. In the event that you find it necessary to partition the building we can furnish you with additional entrance door providing separate access to each stall. Price for extra door and partition quoted upon application.

All "PRESTO-UP" Garages are painted one good heavy coat of stock color medium gray body paint, white trim and sash, and furnished with best quality Guaranteed Red or Green Slate Surfaced Roofing.

This is an actual photograph of a Model "A" Double Garage, a garage that anyone may well be proud to own, and you may be assured that the building will look just like this when erected.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts and the "PRESTO" Door Holders for auto doors.

MODEL "A"—TWO-CAR GARAGES

No.	SIZE Width Length	No. of Windows and Doors	Approximate Weight, lbs.	Cash Price
38-C-12	16'6"x18'6"	Five Sash—One Service Door—Plain Auto Doors.	4300	$236.00
38-C-14	18'6"x18'6"	"	4600	250.00
38-C-15	18'6"x20'6"	"	4800	268.00
38-C-16	20'6"x20'6"	"	5100	279.00
38-C-18	20'6"x24'6"	"	6000	308.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

MODEL "B"—Gable Roof

MODEL "B" SINGLE "PRESTO-UP" GARAGE

Model "B" Garages are identical with the Model "A" Garages described in the preceding pages except that the large entrance doors are furnished with divided glass top lights instead of plain wood, and, also, the windows and service door are Colonial type.

Here is not only a real beauty, but, at the same time, a quality building thruout in construction, material, and appearance, which will add much to the value of any property, and be a constant pleasure to look upon.

On the Single Garages up to and including the 12'6" x 18'6" size, two windows are furnished. On the remaining size three windows are included. Extra windows can be had at a slight extra cost. "Hoods" or "Canopies," as they are sometimes called, are furnished for over all windows and entrance door. Only one flower box with brackets is included in our price, as usually one side of the building is placed against the fence or adjacent building where flower box would not be necessary. Additional flower boxes will be furnished at extra cost.

No.	SIZE Width Length	No. of Windows and Doors	Approximate Weight, lbs.	Cash Price
38-C-41	9'6"x14'6"	Two Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	2400	$153.00
38-C-44	10'6"x16'6"	"	2700	171.00
38-C-45	10'6"x18'6"	"	3000	183.00
38-C-46	12'6"x16'6"	"	3100	185.00
38-C-47	12'6"x18'6"	"	3300	195.00
38-C-48	12'6"x20'6"	Three Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	3600	214.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

MODEL "B" DOUBLE "PRESTO-UP" GARAGE

Model "B" Double Garages are likewise built of the same excellent grade of material and method of construction as the Model "A" Double Garages.

With the exception of the two last sizes listed below these garages have three Colonial windows, one service door, and two pairs of glazed front doors. The No. 38-C-53 size and the No. 38-C-54 size are furnished with four Colonial windows. Hoods are furnished as described above, also one flower box with brackets. Brackets and all trimmings as shown on this photograph are included in our price.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts, and the "PRESTO" Door Holders, for auto doors.

MODEL "B"—Gable Roof

No.	SIZE Width Length	No. of Doors and Windows	Approximate Weight, lbs.	Cash Price
38-C-50	16'6"x18'6"	Three Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	4300	$263.00
38-C-51	18'6"x18'6"	"	4600	277.00
38-C-52	18'6"x20'6"	"	4800	295.00
38-C-53	20'6"x20'6"	Four Colonial Windows (Doors Same)	5100	312.00
38-C-54	20'6"x24'6"	Four Colonial Windows (Doors Same)	6000	341.00

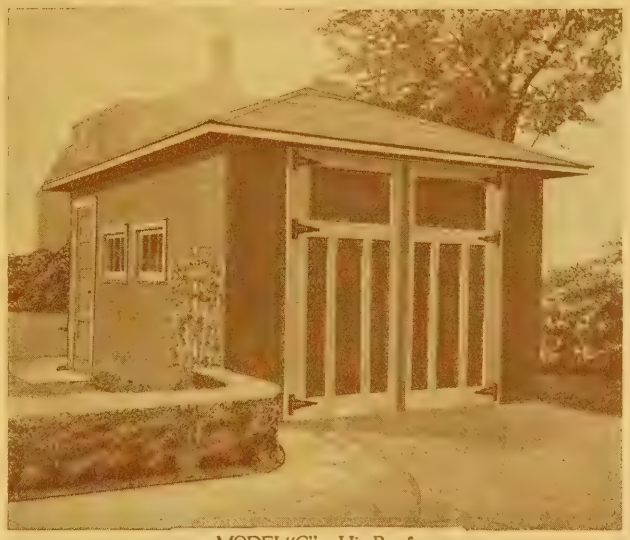
FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

MODEL "C" SINGLE "PRESTO-UP" GARAGE

The Model "C" Garages illustrated on this page are known as "Hip Roof" Garages, or sometimes called "Four-Way" Roofs. By careful experimenting we have developed these Hip Roof Garages with all the Patented "PRESTO-UP" features, and in addition thereto, a strong combination of our "PRESTO-UP" notch-lock truss and hip rafters, not to be found in any other type of building. Every garage is guaranteed that there can be no spreading of walls or sagging of roof, regardless of snowloads.

The grades of material and method of construction of this model is the same as all other Garages illustrated in this book except that this particular type of building may match up with the roof of your home.

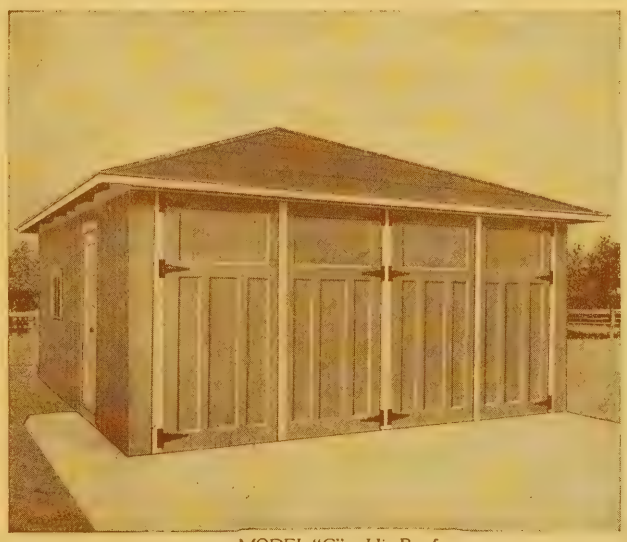
All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock, foot bolts, chain bolts, and the "PRESTO" Door Holders.



MODEL "C"—Hip Roof

No.	SIZE Width Length	No. of Doors and Windows	Approximate Weight, lbs.	Cash Price
38-C-63	10 '6"x16 '6"	Three Sash—One Plain Service Door—Plain Auto Doors.	2700	$165.00
38-C-64	10 '6"x18 '6"	"	3000	176.00
38-C-65	12 '6"x16 '6"	"	3100	179.00
38-C-66	12 '6"x18 '6"	"	3300	190.00
38-C-67	12 '6"x20 '6"	"	3600	203.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.



MODEL "C"—Hip Roof

MODEL "C" DOUBLE "PRESTO-UP" GARAGE

Two Car Model "C" Garages are furnished in seven different sizes, the smallest size suitable for two Fords or cars of similar size.

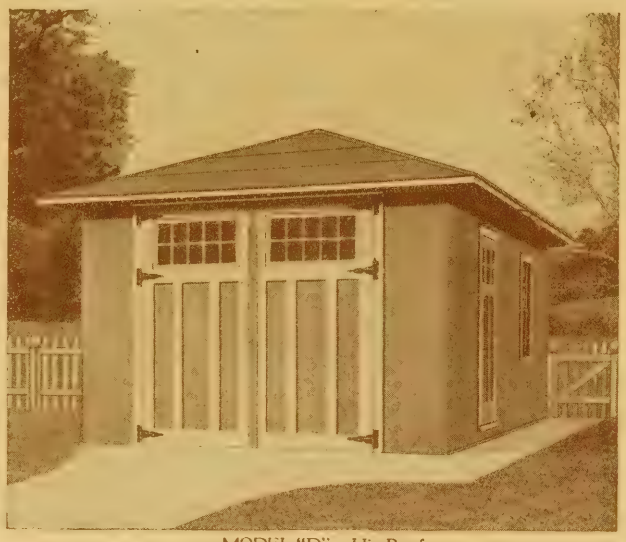
If hoods or flower boxes are wanted on any of these Models we can furnish same at a slight extra cost. Full description and prices are given on preceding pages of this Catalogue.

These Garages are furnished with five small sash, one service door, and two pair of large doors. Additional service doors, partitions, hoods or flower boxes can be had.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts, and the "PRESTO" Door Holders for auto doors.

No.	SIZE Width Length	No. of Doors and Windows	Approximate Weight, lbs.	Cash Price
38-C-70	16 '6"x18 '6"	Five Sash—One Plain Service Door—Plain Auto Doors.	4300	$254.00
38-C-71	18 '6"x18 '6"	"	4600	268.00
38-C-72	18 '6"x20 '6"	"	4800	287.00
38-C-73	20 '6"x20 '6"	"	5100	298.00
38-C-74	20 '6"x24 '6"	"	6000	328.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.



MODEL "D"—Hip Roof

MODEL "D" SINGLE "PRESTO-UP" GARAGE

Here is another example of a beautiful "PRESTO-UP" Garage. This is a Model "D," identical in construction with all other "PRESTO-UP" Garages, in all details. It has a hip roof, divided top light doors, and Colonial service doors and windows.

It is indeed difficult to imagine that this is a sectional building, and that anyone can make just as good a job of it—the reason is simple—it is the result of the carefully thought-out Patented "PRESTO-UP" Construction—No joints show—wind, weather and fool proof, made of best materials, not only to look well, but to last long. Indeed there are few expensive hand-built garages that will give as satisfactory results as "PRESTO-UP" garages. Yours will look equally as well if you use care in the erection and follow simple instructions.

Model "D" Single Garages are furnished with the same number of windows and doors as Model "B" Garage. "PRESTO-UP" Garages are manufactured strictly according to specifications on preceding pages of this Catalogue, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts, and the "PRESTO" Door Holders for auto doors.

No.	SIZE Width Length	No. of Doors and Windows	Approximate Weight, lbs.	Cash Price
38-C-23	10'6"x16'6"	Two Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	2700	$177.00
38-C-24	10'6"x18'6"	"	3000	189.00
38-C-25	12'6"x16'6"	"	3100	191.00
38-C-26	12'6"x18'6"	"	3300	203.00
38-C-27	12'6"x20'6"	Three Colonial Windows (Doors Same)	3600	219.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

MODEL "D" DOUBLE "PRESTO-UP" GARAGE

Your Model "D" Garage will be equally as handsome as this one, erected on the back lot of a $50,000.00 residence, here in Chicago. Furnished in five different sizes, each accommodating two cars, from the smallest to the largest.

"PRESTO-UP" Garages are fit to grace any surroundings, and this Model "D" can be made still more attractive by the addition of hoods over the service doors and windows and flower boxes, such as are shown on some of the other Models, and illustrated and described in detail in the back pages of this Catalogue.

Model "D" Double Garages are furnished with three Colonial windows, one service door, two pairs of automobile doors, all as illustrated and per specifications for Model "B" Garage and in the preceding pages of this Catalogue. If partitions and additional service doors are wanted, we will gladly quote low price on same.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts, and the "PRESTO" Door Holders for auto doors.

MODEL "D"—Hip Roof

No.	SIZE Width Length	No. of Doors and Windows	Approximate Weight, lbs.	Cash Price
38-C-32	16'6"x18'6"	Three Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	4300	$272.00
38-C-33	18'6"x18'6"	"	4600	287.00
38-C-34	18'6"x20'6"	"	4800	305.00
38-C-35	20'6"x20'6"	Four Colonial Wds.—One Glazed Service Door—Glazed Auto Doors.	5100	322.00
38-C-36	20'6"x24'6"	"	6000	352.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

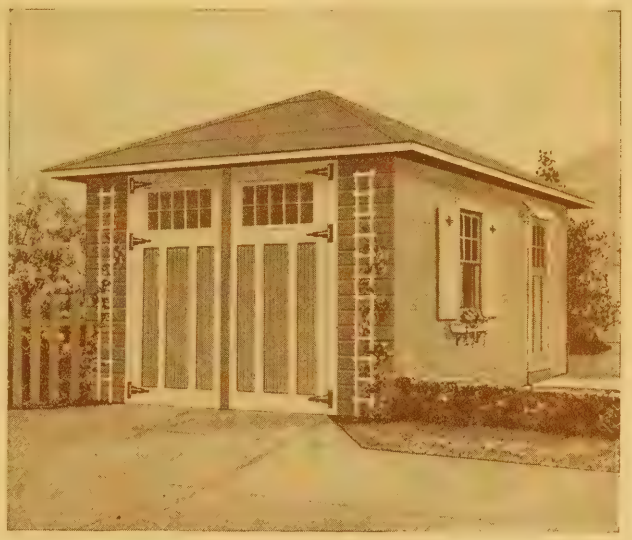
MODEL "E" SINGLE AND DOUBLE, LINED GARAGES

Model "E" Garages are "PRESTO-UP" Garages in every detail, and in addition thereto, are **lined on the inside,** that is, the inside of the outside wall is lined with a Select grade Oregon Fir Ceiling. The building is shipped to you with the siding on "inside out," so to speak; by that is meant, that the inside lining is on the sections, and the garage is bolted together in the usual manner, then the Beveled Siding, which is furnished in random lengths, is to be nailed on the outside by the purchaser, thus giving him a sectional building that is easy to erect, but which ceases to be sectional in every sense of the word after the weather-boarding has been nailed on.

The constant demand for Colonial type Garages to match Colonial Houses has caused us to develop this Model "E" Garage. Siding furnished is clear 8" Redwood bevel siding.

Price includes full equipment of shutters on all windows, as well as hood for door, and flower boxes for two windows. Trellis are furnished as illustrated.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts, and the "PRESTO" Door Holders for auto doors.



MODEL "E"— Hip Roof

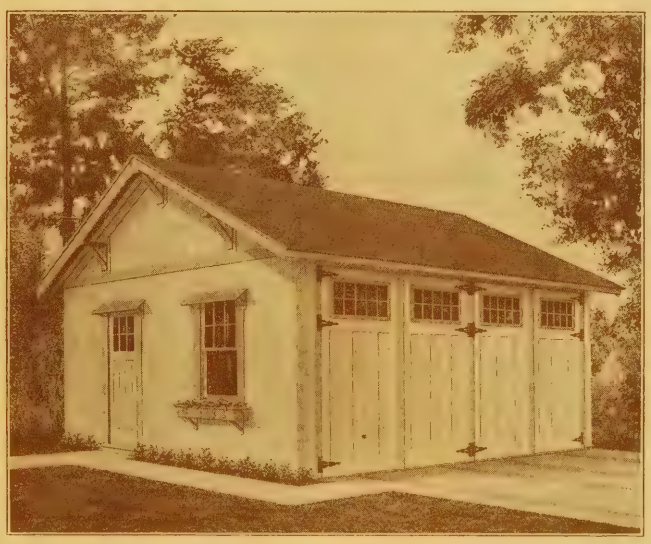
MODEL "E"— ONE CAR

No.	SIZE Width Depth	No. of Doors-Windows	Approx. Weight	Cash Price
38-C-83	10'6"x16'6"	Two Colonial Windows, one glazed service door, glazed Auto Door	3400 lbs.	**$236.00**
38-C-85	12'6"x16'6"	"	4000 lbs.	**252.00**
38-C-86	12'6"x18'6"	"	4300 lbs.	**266.00**
38-C-87	12'6"x20'6"	Three Colonial Windows (Doors Same).....	4700 lbs.	**294.00**

MODEL "E"— TWO CAR

No.	SIZE Width Depth	No. of Doors-Windows	Approx. Weight	Cash Price
38-C-91	16'6"x18'6"	Three Colonial Windows one glazed service door, glazed Auto Doors.....	5200 lbs.	**$343.00**
38-C-92	18'6"x18'6"	"	5700 lbs.	**361.00**
38-C-94	20'6"x20'6"	Four Colonial Windows, (Doors Same).....	6300 lbs.	**413.00**
38-C-95	20'6"x24'6"	"	7400 lbs.	**448.00**

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.



MODEL "G" — Gable Roof

MODEL "G" DOUBLE AND COMMUNITY GARAGES

COLONIAL TYPE

Colonial Garages to match Colonial homes are more in demand due to the increasing popularity of Colonial homes.

This Model "G", Colonial style, "PRESTO-UP" Garage is identical in construction with the Model "B" Garage illustrated on the preceding pages except that the roof is turned the other way. A special reinforced top plate over the front doors is furnished adding considerable to the strength, also to the appearance of the Garage.

Model "G" Garages are furnished in Double sizes as listed below. also in three and four car sizes. One flower box is furnished. Hoods for all windows and service door are included.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as Yale lock for service door, foot bolts, chain bolts, and the "PRESTO-UP" Door Holders for auto doors.

No.	Capac.	SIZE Wdth. Dpth.	No. of Doors and Windows	Approx. Weight	Cash Price
38-C-130	2 car	18'6"x16'6"	Three Colonial Wds.—Glazed Service Door—Glazed Auto Doors	4300 lbs.	**$268.00**
38-C-131	2 car	18'6"x18'6"	"	4600 lbs.	**284.00**
38-C-132	2 car	20'6"x18'6"	"	4800 lbs.	**299.00**
38-C-133	2 car	20'6"x20'6"	Four Colonial Windows. (Doors Same).....	5160 lbs.	**315.00**
38-C-134	3 car	24'6"x20'6"	Five Colonial Windows. (Doors Same).....	6000 lbs.	**362.00**
38-C-135	4 car	32'6"x20'6"	Seven Colonial Windows. (Doors Same).....	8200 lbs.	**473.00**

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT SEE PRICE LIST.

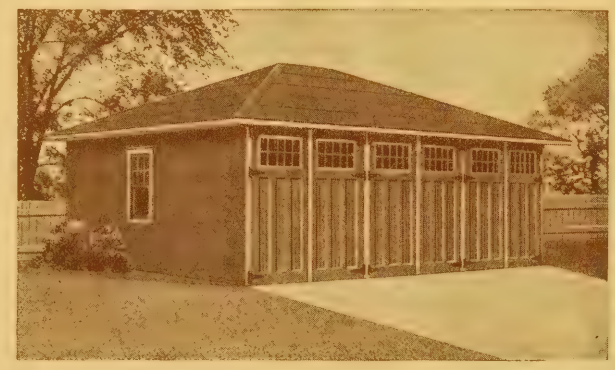
COMMUNITY GARAGES

COMMUNITY MODEL No. 125—SIX-CAR GARAGE

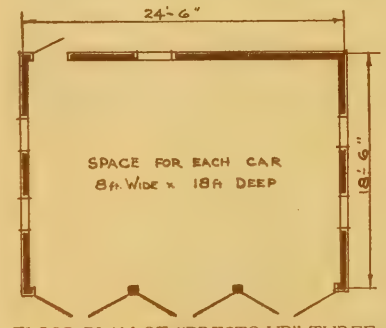
JUST THE THING FOR FACTORIES, APARTMENTS, ETC.

Industrial plants above all should buy our Patented "PRESTO-UP" Bolt-together Garages, because in the event of future plant expansion necessitating re-arranging building or ground spaces, the location occupied by a garage might be highly desirable. If the Garage is a "PRESTO-UP" Garage, it will be an easy matter, to take it down and re-erect it if only reasonable care is taken, without any damage whatever, therefore, continue to give full value at its new location.

This cannot be said of any regular hand built building which under the same conditions would frequently mean a loss of 50 to 75% of the value of the building itself, or other inconveniences by being compelled to build around them, so to speak.



No. 120—THREE-CAR GARAGE



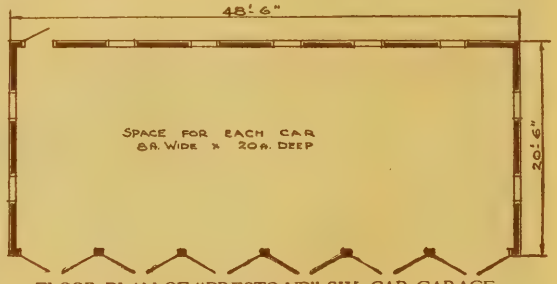
FLOOR PLAN OF "PRESTO-UP" THREE-CAR GARAGE No. 120

The building shown above is a six-car garage, providing a space of 8' wide and 20' deep for each car, sufficiently long enough for any touring car. The front door openings are 7'6" wide by 7'8" high. Partition material is not included. Windows furnished are the regular two sash Colonial top windows. Building is manufactured of regular "PRESTO-UP" Garage units as described on preceding pages. Three handy men should have no difficulty in erecting this building, in a day and a half or two days.

These Buildings are made up in six different sizes as listed below, suitable for large or small industrial plants, or can be erected and pay a handsome return on the investment. A popular three-car Garage is the No. 120, illustrated below, which provides a space 8' x 18', taking in any average seven-passenger car. Dormers are included only on the last three sizes listed below.

If plain front doors are wanted on any of the Models shown on this page instead of the glass doors illustrated, same can be furnished at a reduction in price. Prices gladly quoted upon application.

All "PRESTO-UP" Garages are manufactured strictly according to specifications given on preceding pages, and include full door equipment such as foot bolts, chain bolts, and the "PRESTO" Door Holders for auto doors, Yale lock for service door.



FLOOR PLAN OF "PRESTO-UP" SIX-CAR GARAGE No. 125

COMMUNITY GARAGES

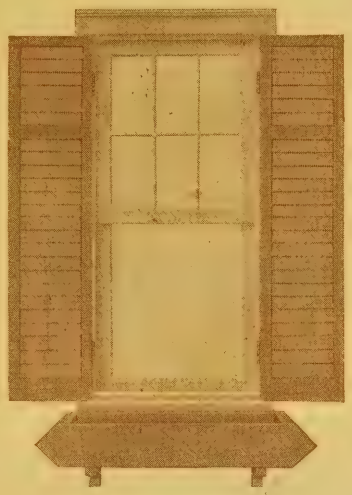
OFFERED IN THE FOLLOWING SIZES

No.	Capacit	SIZE Width Depth	No. of Doors and Windows	Approx. Weight	Cash Price
38-C-120	3 car	24'6"x18'6"	Five Colonial Wds., one glazed service door, glazed Auto Doors.....	5800 lbs.	$370.00
38-C-121	3 car	24'6"x20'6"	"	6200 lbs.	386.00
38-C-122	4 car	32'6"x18'6"	Seven Colonial Wds. (Doors Same).....	7400 lbs.	452.00
38-C-123	4 car	36'6"x20'6"	"	8800 lbs.	530.00
38-C-124	5 car	40'6"x20'6"	Eight Colonial Wds. (Doors Same).....	9800 lbs.	595.00
38-C-125	6 car	48'6"x20'6"	Nine Colonial Wds. (Doors Same).....	12000 lbs.	679.00

FOR TIME PAYMENT PRICES AND PLANS OF PAYMENT, SEE PRICE LIST.

"PRESTO-UP" ACCESSORIES

BLINDS AND FLOWER BOXES



BLINDS—These blinds are made up of Clear White Pine. Painted one coat of white, including Gravity Blind Hinges and Catch.

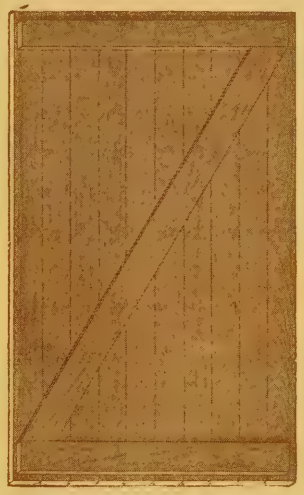
No. **38-C-142.** For Colonial Windows, price per pair..... **$4.50**

No. **38-C-143.** For French Windows, price per pair..... **$5.00**

FLOWER BOX—Size 3′ 6″ wide complete with brackets and painted one good coat of white paint. Price.

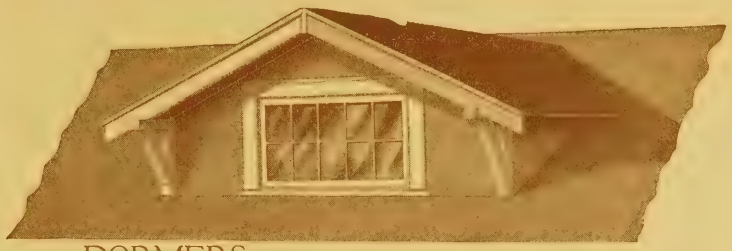
No. **38-C-144**..... **$1.25**

WINTER SHUTTERS



You can leave your cottage at the end of the season without worrying about anybody breaking windows, or getting in. These winter shutters are made up of No. 1 Yellow Pine Beaded Shiplap boards, strongly reinforced. They fit right into the opening and can be nailed in place or fastened with hooks from the inside. Painted Gray on the outside. No hardware included.

For Colonial Windows..... **$1.50**
For French Windows..... **1.75**
For Half-Size Windows..... **.90**
For Doors..... **2.75**



DORMERS

A long expanse of roof can be broken up and the appearance of a cottage can be improved by a dormer as illustrated here. This dormer is not only beautifying but useful as well. It can be used as a ventilator—the window is made to slide up and can be operated by a cord drawn through to the room below. The roof of the building can be cut out to permit the air to circulate through the attic. Furnished complete in sections ready to assemble, painted stock color—gray and white trim. Sufficient slate surfaced roofing also included.

DORMER No. **38-C-148**..... **$35.00**

WINDOW OR DOOR HOOD

This window or door canopy, sometimes called "hood," is made up ready to set in place complete with brackets. 3′ 10″ wide, painted white. It makes an ideal protection against rain and snow.

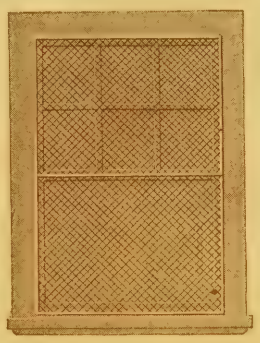
No **38-C-145**..... **60c**

WIRE GUARDS FOR GARAGE WINDOWS

FOR SMALL SASH

The wire window guards are made up of 9 gauge wire with ¼″ rod for the frame work, to be fitted in window frames making windows burglar proof. For Models "A" and "C" Garages.

No **38-C-146**..... **$1.95**

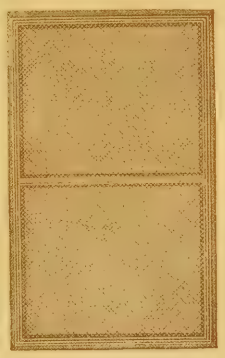


FOR COLONIAL WINDOWS

For Models "B," "D," "E" and "G" or Community windows or for houses

No. **38-C-147**..... **$3.95**

WINDOW SCREENS



SCREENS FOR COLONIAL WINDOWS

Made of galvanized wire, painted white, for Colonial Windows, size 2′ 4⅜″ x 3′ 11″, each... **$2.30**

FRENCH WINDOWS—SCREENS

Galvanized wire, vertical center rail, painted white. For French Windows. Size 2′ 8⅜″ x 3′ 11″ Each..... **$2.55**

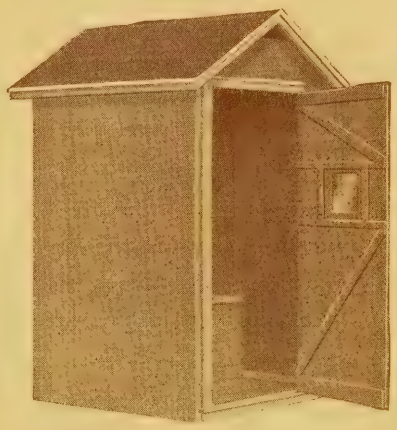
HALF-SIZE SCREENS AND HALF CASEMENT SCREENS

Galvanized wire, made to fit lower half of windows and for bath rooms, closets, etc., of "PRESTO-UP" Cottages, size 2′ 4⅜″ x 2′ 4″. Each..... **$1.85**

SCREEN DOORS

See Millwork section, giving illustrations and prices of various types of screen doors.

PRESTO-UP BATH HOUSE and OUTHOUSE



Where plumbing accommodations are not yet available "PRESTO-UP" Outhouses will solve the problem. These handy buildings are made up of regular "PRESTO-UP" units and can be assembled in an hour. Price includes floor and large and small seat. For Bath Houses we furnish one plain seat 12″ deep and 4′ wide instead of the large and small seat. Painted regular color gray and white trim. "PRESTO-UP" Outhouse or Bath House.

No. **38-C-149**..... **$39.00**

Presto-Up Buildings *for* Every Purpose

"PRESTO-UP" Churches and Community Halls have helped many a congregation to get started until sufficient funds were available for a larger edifice.

"PRESTO-UP" Buildings for Real Estate or Subdivision Offices are very desirable. When all property has been sold—PRESTO!—move it to the next location with practically no loss.

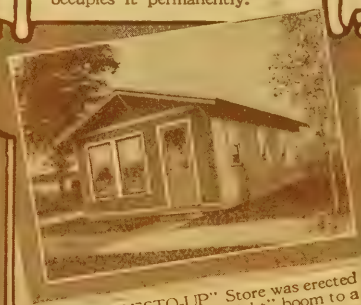
Modern Industrial corporations have discovered that better homes for their employees means better efficiency. A portion of a row of 5-room "PRESTO-UP" cozy bungalows erected by a well known coal company in Ohio.

A more elaborate type of "PRESTO-UP" Cottage is illustrated here. Erected in Pennsylvania by one of the officials of a large steel company.

The owner of this "PRESTO-UP" Bungalow contemplated using this cottage for the summer months only, but he found it to be so comfortable that he now occupies it permanently.

"PRESTO-UP" Buildings purchased by the City of Chicago and other municipalities as skating shelter houses in parks, playgrounds, beaches, etc.

This illustrates only one of the many beautiful Lakeside Cottages shown in this booklet. Practical cottages—easily erected by any handy man. Our modern machine and template method of fabricating the units of these cottages, permits no waste of time or material—hence the lower prices to you.



This "PRESTO-UP" Store was erected in one day. An "overnight" boom to a new town caused a merchant to call on us. We did the rest.

"PERFECTION" Plumbing and Heating

IN the pages which follow you will find the complete line of Perfection Plumbing and Heating equipment—everything to the last fitting for the complete installation of your plumbing system and all supplies for steam, hot water and warm air heating plants. In point of wide selections, dependable time tested quality and big values, every one of these pages should interest you. As you look them over, please remember that every article offered is guaranteed to be exactly as represented, and in practically every instance, the same class of material that is sold throughout the country at considerably more than our low big volume prices.

FREE Engineering Service!

¶ If you can read a plain blue print, run a thread on a few pieces of pipe, use a wrench and can handle ordinary tools, we will show you how you can install a modern plumbing or heating system in your building at a big money saving. Thousands before you have done it. Why not you? Many of our customers were no more familiar with the materials or the use of tools than you are, but with the aid of our simple instructions, our blue prints and material lists, the work was made extremely simple. It's really impossible to go wrong when our plans and instructions are followed.

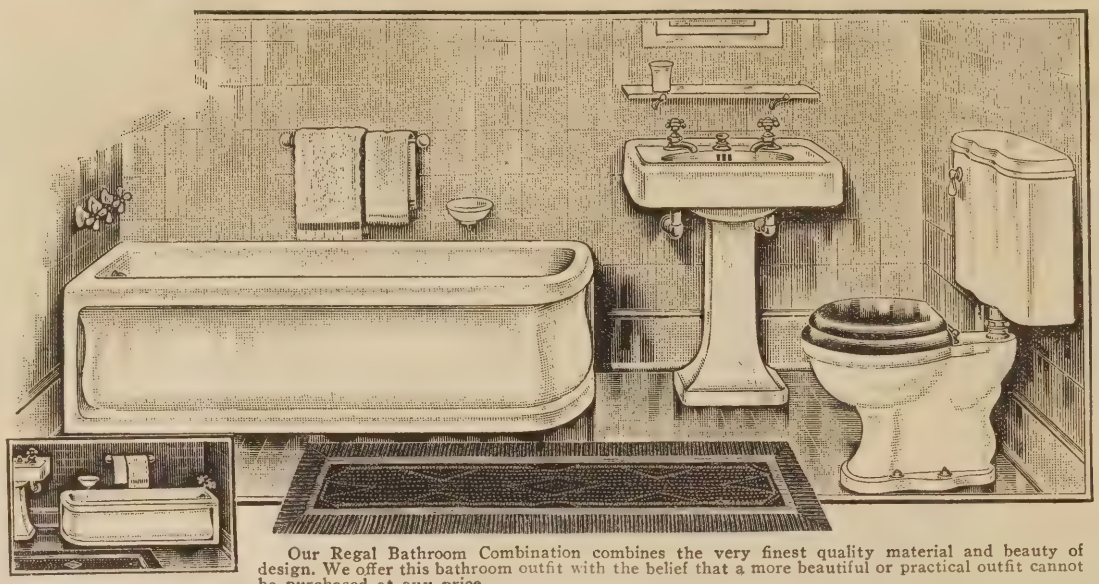
¶ The blue prints, instructions and material lists for your plumbing or heating plant will be prepared by our competent engineers—experts in this line. They have advised thousands of our customers who purchased their materials from us and who are now enjoying these modern conveniences.

¶ Send us the plans for your building. These plans do not need to be architects' plans. A rough pencil sketch will be sufficient. Simply show the basement and floor plans. Mark the size of the rooms, height of your ceilings, number and size of the outside doors and windows in each room; then state the direction which your building faces. State the kind of heating plant or plumbing system you are most interested in and our engineers will do the rest. You will receive from us an estimate of the cost of the material needed to install complete efficient systems.

We Furnish Blue Prints and Specifications!

¶ If you do not own a set of tools such as are required to do the work, we will rent you a complete set, making only a nominal charge for their use. On page 210 of this book you will find these tools illustrated and the plan under which they may be ordered is explained in detail.

Regal Bathroom Combination



Our Regal Bathroom Combination combines the very finest quality material and beauty of design. We offer this bathroom outfit with the belief that a more beautiful or practical outfit cannot be purchased at any price.

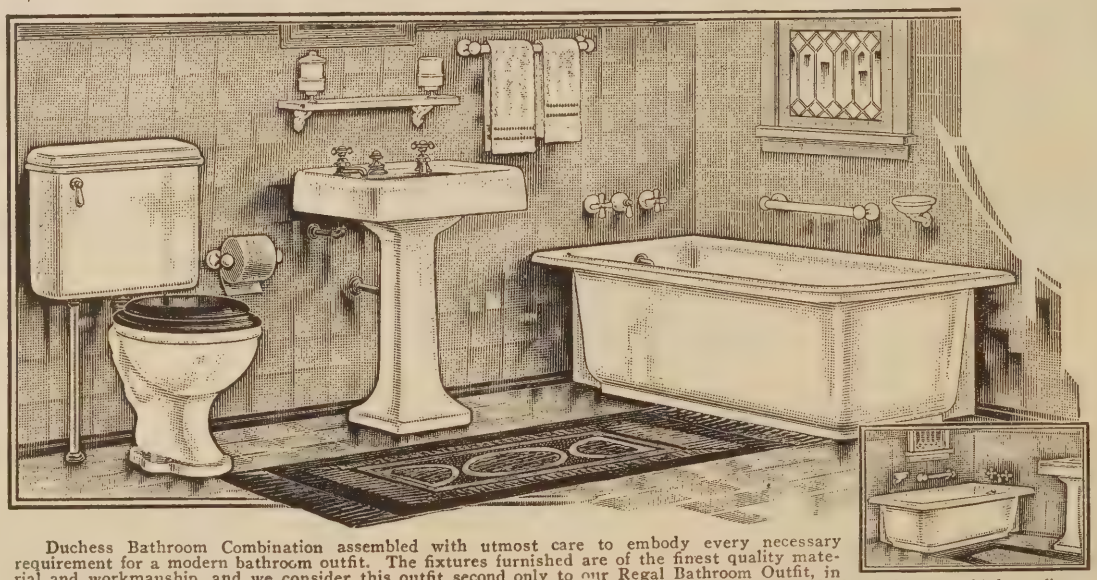
Pedestal lavatory designed with massive Colonial base and slab size 20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Roman lifting waste and nickel-plated supply pipes, nickel-plated trap and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

The closet outfit is furnished with a white vitreous china tank, fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is deep apron cornered type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are of the concealed type built into the wall. The supply pipes and lifting waste are equipped with white china handles and escutcheons. The bath tub can be furnished for either right or left hand corner. Be sure to specify the style tub you desire when ordering this outfit.

5-C-1209. The Regal Bathroom Outfit, complete as described..... **$157.00**

Duchess Bathroom Combination



Duchess Bathroom Combination assembled with utmost care to embody every necessary requirement for a modern bathroom outfit. The fixtures furnished are of the finest quality material and workmanship, and we consider this outfit second only to our Regal Bathroom Outfit, in that the tub is the roll rim type instead of the deep apron. With this exception, the outfit is of the same high quality as the Regal Combination.

Pedestal Lavatory designed with Massive Colonial Base and Slab—20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Roman Lifting Waste and nickel-plated supply pipes, nickel-plated traps and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

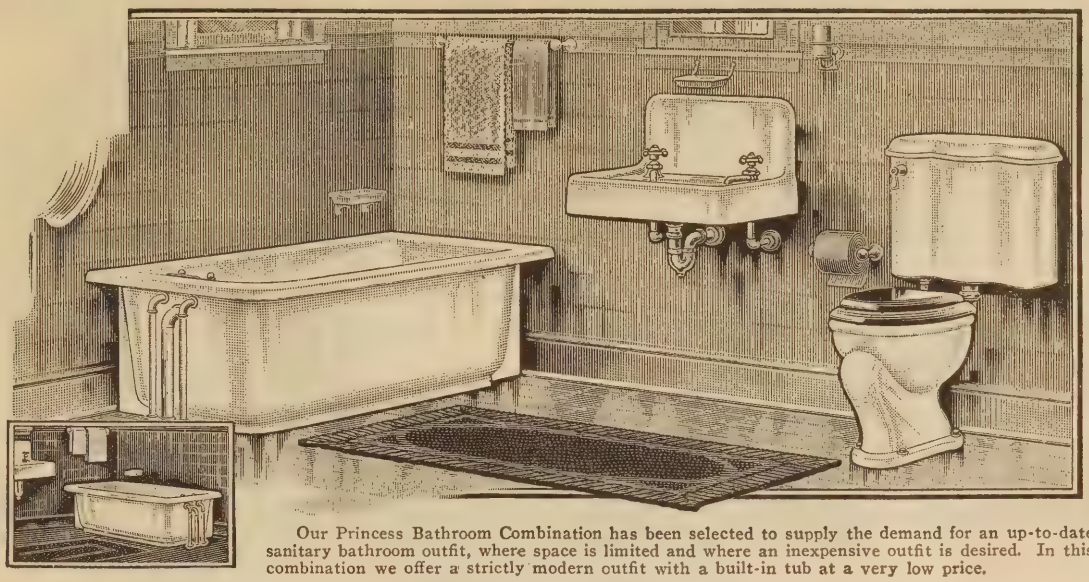
The closet outfit is furnished with a white vitreous closet tank fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out with white porcelain enamel. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are the concealed type built into the wall.

The supply pipes and lifting waste are equipped with white china handles and escutcheons. Tub can be furnished for either right or left corner. Be sure to specify style tub you desire when ordering the outfit.

5-C-1210. The Duchess Bathroom Outfit, complete as described..... **$130.00**

Princess Bathroom Combination



Our Princess Bathroom Combination has been selected to supply the demand for an up-to-date sanitary bathroom outfit, where space is limited and where an inexpensive outfit is desired. In this combination we offer a strictly modern outfit with a built-in tub at a very low price.

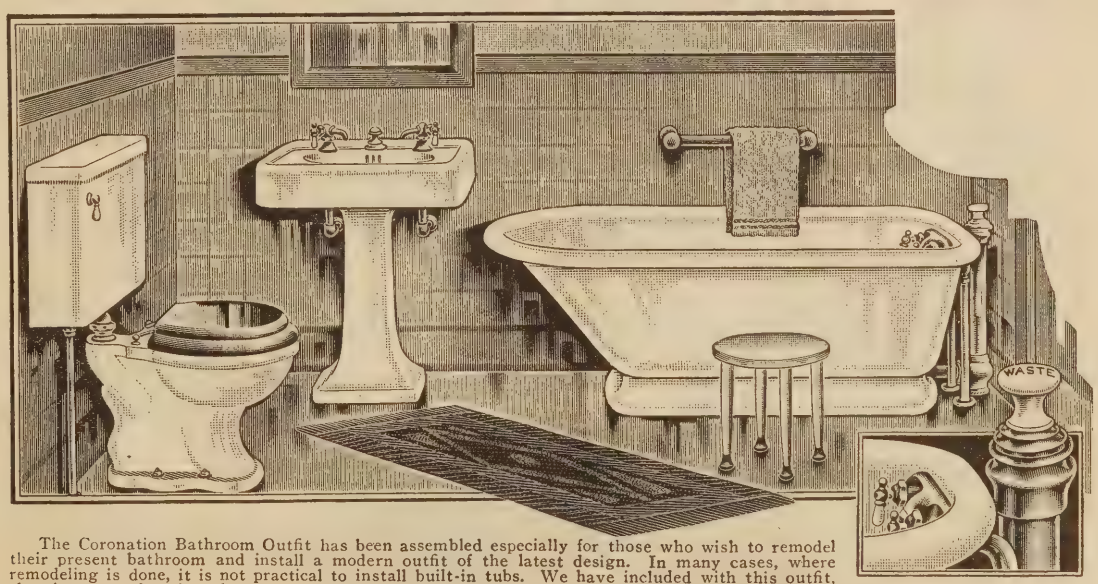
The lavatory is of Colonial design, straight front, deep apron type, size 18 x 24 inches. The fittings consist of nickel-plated faucets with crossed handles, indexed for hot and cold water, nickel-plated brass supply pipes to the wall and nickel-plated brass "P" trap.

The closet outfit includes a white vitreous china tank, fitted with compound ball cock, nickel-plated supply pipe and nickel-plated brass connecting ell. The bowl is the wash-down Syphon action type, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to bowl.

The tub is of the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray iron casting, enameled inside and out with white porcelain enamel. Back and one end of the tub finished into the wall and the base is finished into the floor. The fittings are of exposed type and consist of special nickel-plated brass connected waste and overflow with long extension "T", threaded to connect with 1½inch iron pipe. Nickel-plated brass supply pipes and nickel-plated double bath cock with china handles, indexed for hot and cold water.

5-C-1214. The Princess Bathroom Outfit, complete as described **$100.00**

Coronation Bathroom Combination



The Coronation Bathroom Outfit has been assembled especially for those who wish to remodel their present bathroom and install a modern outfit of the latest design. In many cases, where remodeling is done, it is not practical to install built-in tubs. We have included with this outfit, therefore, a pedestal or base tub, enameled inside and out, which, combined with the pedestal lavatory and syphon jet closet outfit, makes the Coronation a really wonderful bathroom combination.

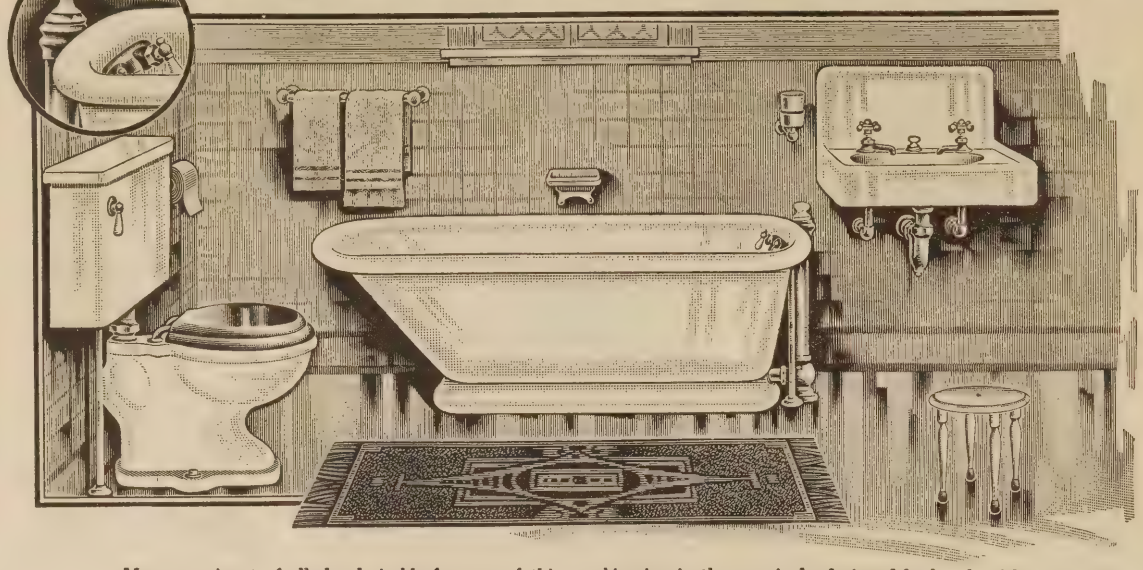
The Bath Tub is cast in one piece, and coated with white porcelain enamel both inside and outside; it measures 5 ft. long, 30 in. wide, and is made with a 3 in. roll rim. Finest quality fittings are included with the tub, consisting of heavily nickel-plated brass ideal lifting waste, which does away with the troublesome chain and stopper; nickel-plated quick compression double bath cock, with white china handles, indexed for hot and cold water; nickel-plated supply pipes.

The Pedestal Lavatory, designed to match the tub is entirely covered with white porcelain enamel. Size of slab 20x24 inches, with oval bowl 12 x 15 inches and stands 31 inches high. It is fitted with nickel-plated Roman lifting waste, nickel-plated supply pipes, nickel-plated trap and nickel-plated faucets with white china handles indexed for hot and cold water.

The Closet Outfit is furnished with a white, vitreous china tank in mission style, and is fitted with compound elevated ball cock and nickel-plated supply pipe. Tank connects to bowl with nickel-plated 2-inch offset flush. The bowl is an improved Syphon Jet silent action type, made of vitreous earthenware and is fitted with a practically indestructible seat and cover, finished in highly polished mahogany. Nickel-plated bar hinges attach the seat direct to bowl.

No. 5-C-325. The "Coronation" Bathroom outfit is furnished complete as described **$130.00**

Royal Bathroom Combination

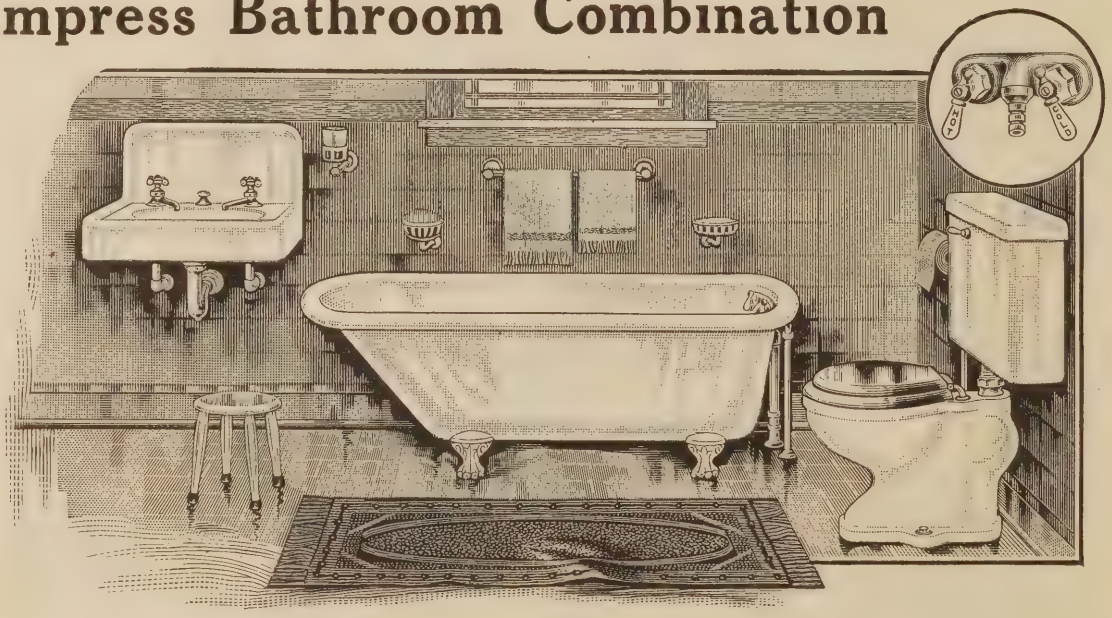


Most prominent of all the desirable features of this combination is the massively designed bath tub with pedestal base. The tub sets flush all around on the floor and eliminates the old-fashioned leg base so difficult to clean under.

The pedestal base bath tub is coated on the inside and over the 3 inch roll rim with white porcelain enamel. Measures 5 ft. long and 30 ins. wide; fitted with nickel-plated double bath cock with handles indexed for hot and cold water, Roman or lifting waste; nickel-plated supply pipes to floor. The closet outfit consists of a white vitreous earthenware tank fitted with heavy brass and copper interior trimmings. Perfect action.
Syphon jet silent action white vitreous earthenware bowl, highly polished. Finely finished seat and cover in mahogany; attaches to the bowl with nickel-plated bar hinges. The lavatory measures 18x24 inches. It is unusually attractive in design with 10 inch back. Fitted with compression faucets, indexed for hot and cold water. Nickel-plated supply pipes and "P" trap to wall.

5-C-74. Royal Bathroom combination, complete as described for iron pipe connections..... **$94.00**

Empress Bathroom Combination

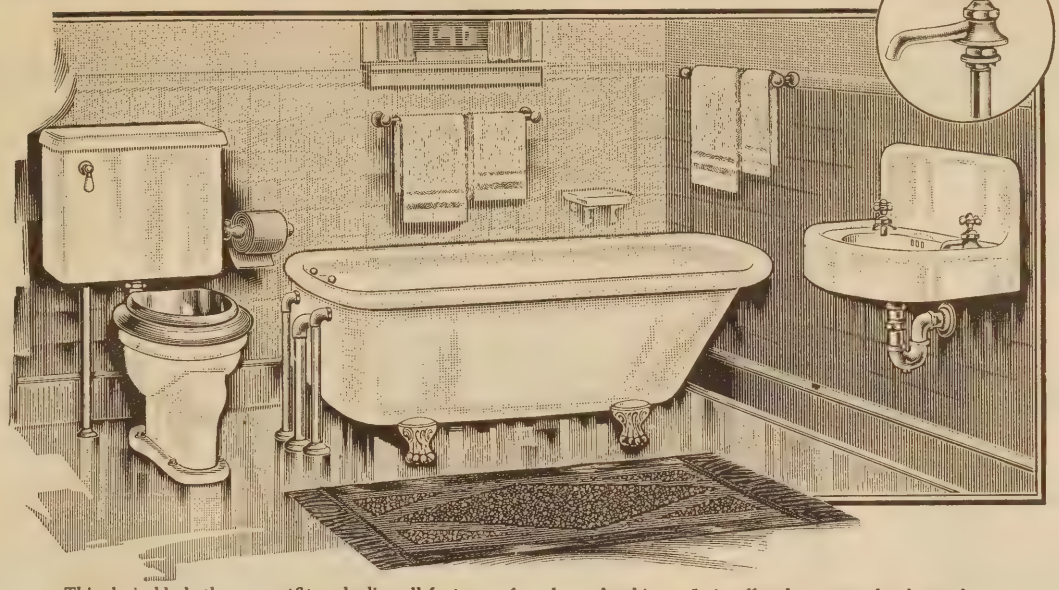


This elegant outfit is designed for those who wish an extra fine bathroom equipment, neat of design and splendid in quality. The three pieces and all fittings to the last detail have been carefully chosen and embodied in a combination suited to the finest home.

The bath tub measures 5 feet long and 30 inches wide and is made with a 3 inch roll rim. Coated on the inside and over the rim with white porcelain enamel. It is furnished complete with nickel-plated compression double bath cock with handles indexed "hot and cold"; nickel-plated connected waste and overflow, supply pipes, chain and rubber stopper.
The closet outfit is an improved low down design furnished with Syphon jet silent action white vitreous earthenware bowl. The mahogany finished seat and cover are attached with nickel-plated bar hinges. White porcelain China closet tank, fitted with best trimmings; perfect in action. Nickel-plated offset and supply pipe.
The one-piece lavatory is heavily coated with white porcelain ename land is made in deep apron style. Measures 18x24 inches with 10 inch back and "D" pattern bowl size 11x14 inches. Fitted with nickel-plated faucets with handles indexed "hot and cold". Nickel-plated supply pipes and "P" trap to wall.

5-C-580. Empress Bathroom combination complete as described for iron pipe connections..... **$84.00**
Shipped complete from Chicago warehouse.

Countess Bathroom Combination



This desirable bathroom outfit embodies all features of modern plumbing. It is offered to meet the demand for an outfit of very select quality and perfect design. Nothing has been spared in selecting all pieces and best fittings that could possibly be furnished at our big economical prices.

The bath tub furnished is 5 feet long and 30 inches wide; massive and well proportioned. Heavily coated on the inside and over the 3 inch roll rim with white porcelain enamel. Fitted with nickel-plated compression double bath cock indexed for hot and cold water; nickel-plated connected waste and overflow and supply pipes.

The closet outfit includes an improved wash down type vitreous earthenware bowl and plain neat white vitreous earthenware tank; fitted with Douglas pattern perfect acting valve. All tank fittings are made of heavy brass and copper; operated with China lever in front. The closet seat and cover are highly finished in mahogany and attached to the bowl with nickel-plated bar hinges.

The deep apron lavatory is coated with white porcelain enamel and measures 18 x21 inches with 8 inch back and "D" pattern bowl, size 10½ x14½ inches. Fitted with two nickel-plated compression faucets with China tops indexed for hot and cold water. Nickel-plated 1¼ in. "P" trap to wall and ⅜ in. nickel-plated supply pipes.

5-C-67. Countess Bathroom combination, complete as described, for iron pipe connections..... **$73.00**

Sovereign Bathroom Combination

The Sovereign Bathroom Combination has been carefully assembled to offer every requirement for the modern bathroom. Considering the splendid quality and modern design of every piece and part, the low price will encourage your immediate decision in favor of this outfit.

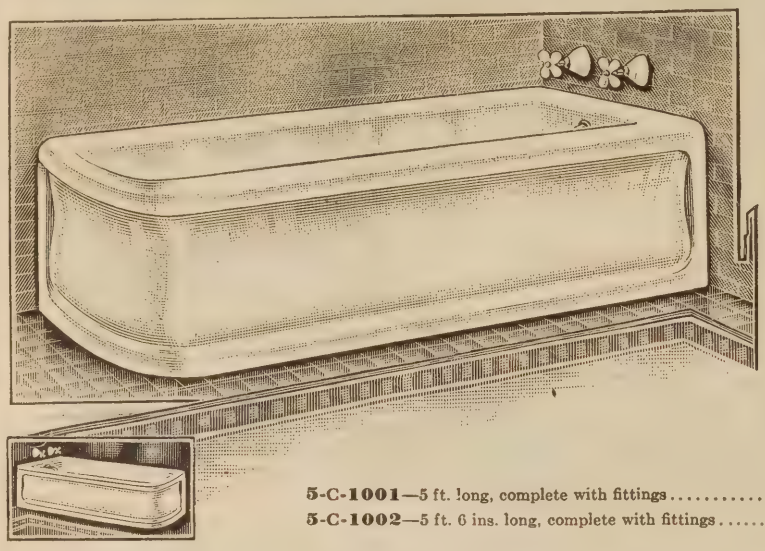
The bath tub measures 5 feet long and 30 inches wide and is made with a 3 inch roll rim. Coated on the inside and over the rim with white porcelain enamel. It is furnished complete with nickel-plated compression double bath cock with handles indexed hot and cold; nickel-plated connected waste and overflow, supply pipes, chain and rubber stopper.

The closet outfit is an improved low down design furnished with wash down type white vitreous earthenware bowl. The oak seat and cover are attached with nickel-plated offset hinges. The oak closet tank matches the seat and cover in finish. It is fitted with best trimmings and is perfect in action. Lined throughout with heavy copper. Nickel-plated flush elbow and supply pipe.

The one-piece lavatory is heavily coated with white porcelain enamel and is made in deep apron style. Measures 17x19 inches with 10 inch back and "D" pattern bowl size 10½x13½ inches. Fitted with nickel-plated faucets with handles indexed hot and cold. Nickel-plated supply pipes and "P" trap to wall.

5-C-300. Sovereign Bathroom combination, complete as described, for iron pipe connections..... **$65.00**

Modern Artistic Bath Tubs



Beautiful Deep Apron Corner Recessed Tub

$93.00

We offer this tub as the highest type of porcelain enamel ware possible to manufacture. Its beauty of design and special white enameled finish give the bathroom an elegance of appearance impossible to obtain with any other type of tub. Cast in one piece of the finest quality gray iron casting, coated inside and out with beautiful white porcelain enamel. Finished on one side and one end. An allowance of ½ inch is made for finishing into the floor and ¾ inch on the back and end for finishing into the wall.

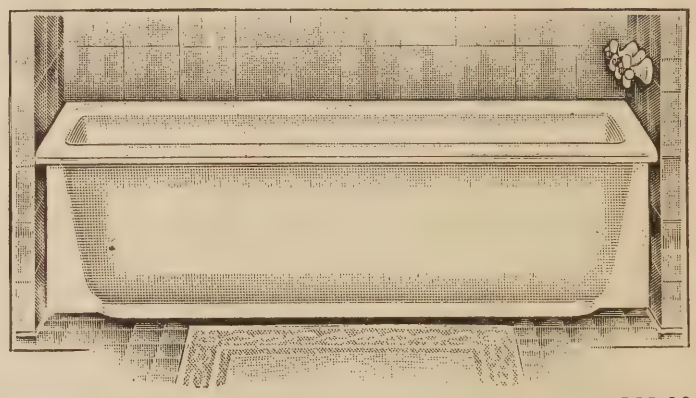
The fittings furnished are of the concealed type The supply pipes and lifting waste are equipped with white china handles and escutcheons.

Tubs furnished for either right or left corner, made in three sizes:

5-C-1001—5 ft. long, complete with fittings ..... **$ 93.00**
5-C-1002—5 ft. 6 ins. long, complete with fittings **97.00**

Impressive Built-In Full Recessed Tub

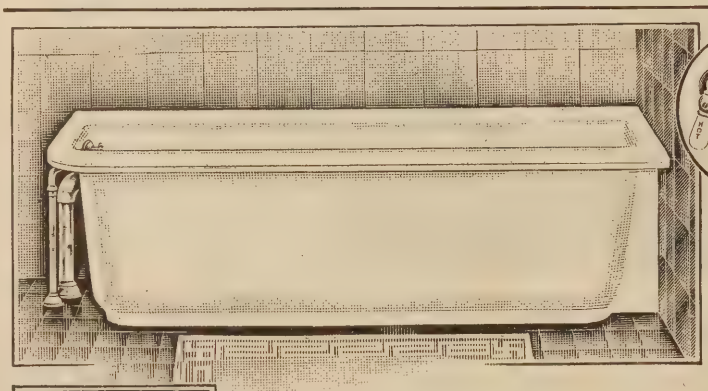
$62.00

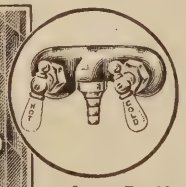


This tub is all cast in one piece and enameled inside and over the 3 inch flat rim. It is finished with the highest grade porcelain enamel. The back and both ends are built into the wall. An allowance of ½ inch is made on the back and two ends as well as on the bottom for setting into the floor.

The fittings are the concealed type. The supply pipes and lifting waste are equipped with white China handles and escutcheons. Tubs furnished with outlet at either right or left end. Made in three sizes:

5-C-1003—4 ft. 6 ins. long, complete with fittings **$62.00**
5-C-1004—5 ft. long, complete with fittings **65.00**
5-C-1005—5 ft. 6 ins. long, complete with fittings **70.00**





Latest Double Bath Cock

Attractive Built-In Corner Recessed Tub

$55.00

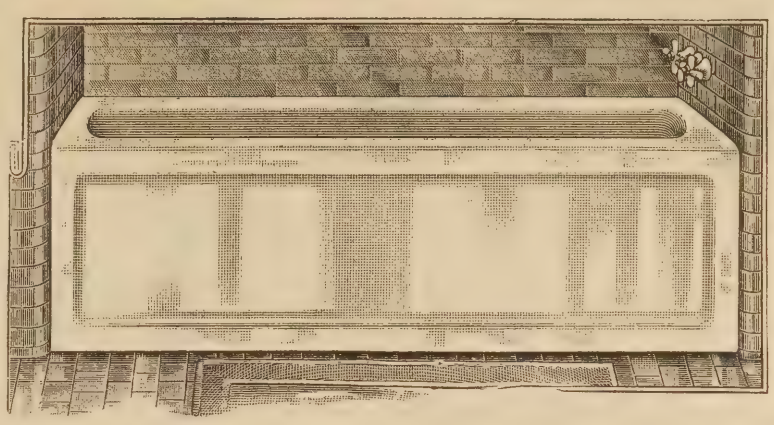
Built-in corner tub with 3 inch rim enameled inside and out, finished with finest quality porcelain enamel. An allowance of ½ inch is made for finishing the back and one end into the wall and ½ inch for finishing tub into the floor. Fitted with double compression nickelplated bath cock, with China handles, indexed hot and cold, nickelplated brass connected waste and overflow, nickelplated brass supply pipes. Furnished for right or left corner.

5-C-1006—4 ft. 6 ins. long, complete with fittings described **$55.00**
5-C-1007—5 ft. long, complete with fittings described **58.00**
5-C-1008—5 ft. 6 ins. long, complete with fittings described **65.00**

Finest Quality—Priced Low!

Elegant Deep Apron Full Recessed Tub

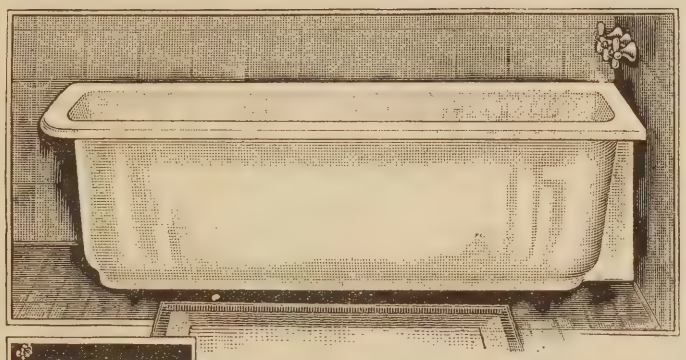
$88.00

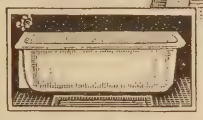


One piece porcelain enameled tub, enameled inside and over the apron with finest quality white porcelain enamel. The back and both ends are finished into the wall and an allowance of ½ inch is made on this tub for finishing.

The fittings furnished are the concealed type. The supply pipes and Ideal lifting waste are equipped with white china handles and escutcheons. Tubs can be furnished with outlet at either right or left end, made in three sizes:

5-C-1010—5 ft. long, complete with fittings.....**$88.00**
5-C-1011—5 ft. 6 ins. long, complete with fittings..... **92.00**





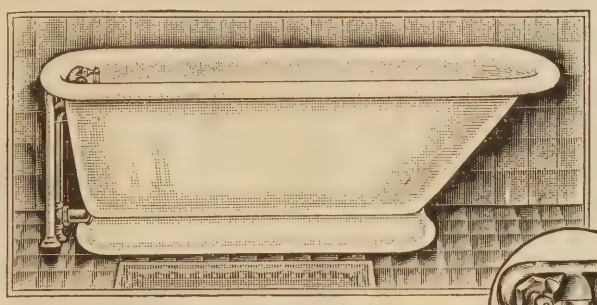
Neat Built-In Corner Recessed Tub

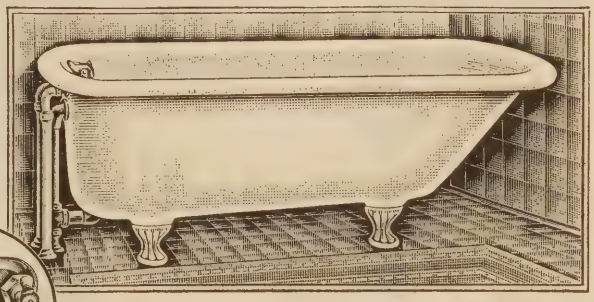
$67.00

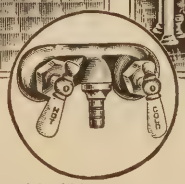
One piece cast iron enameled tub with 3 inch rim, enameled inside and out with the finest quality white porcelain enamel. An allowance of ½ inch is made on the back and one end of this tub for finishing into the wall.

The fittings are the concealed type. Supply pipes and lifting waste are equipped with white China handles and escutcheons Tub furnished for either right or left corner, made in three sizes:

5-C-1012—4 ft. 6 ins. long, complete with fittings.....**$67.00**
5-C-1013—5 ft. long, complete with fittings..... **70.00**
5-C-1014—5 ft. 6 ins. long, complete with fittings..... **75.00**







Pedestal Bath Tub

Made of the best grade of gray cast iron enamel, heavily coated with white porcelain enamel inside and over the 3 inch roll rim.

Tub furnished with nickelplated compression bath cock with China handles, indexed hot and cold, nickelplated connected waste and overflow and nickelplated supply pipes.

Tub complete as described, painted outside:

5-B-1015—4 ft. 6 ins.**$38.00**
5-B-1016—5 ft..... **38.00**
5-B-1017—5 ft. 6 ins. **42.50**

Pedestal bath tub porcelain enameled inside and outside complete with fittings listed above:

5-B-1018—4 ft. 6 ins.**$61.00**
5-B-1019—5 ft..... **61.00**
5-B-1020—5 ft. 6 ins. **66.00**

Nickelplated standing bath waste and overflow china top for pedestal tubs. Extra.....**5.00**

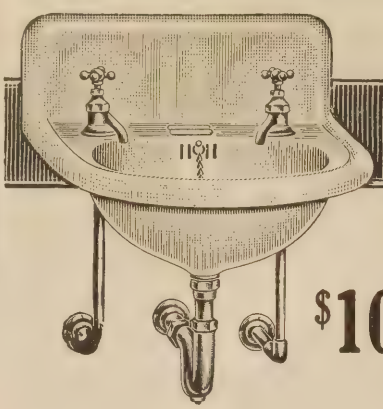
Roll Rim Enameled Tub

Double bath cock of new design a feature of the regular equipment furnished with our bath tubs.

Made of gray cast iron enameled inside and over the 3 inch roll rim. Tubs measure 30 inches wide and are fitted with nickelplated bathcock, indexed for hot and cold, nickelplated waste and overflow and nickelplated supply pipes.

5-B-1021—4 ft. 6 ins. long, complete with fittings.....**$33.00**
5-B-1022—5 ft. long, complete with fittings..... **33.00**
5-B-1023—5 ft. 6 ins. long, complete with fittings..... **36.00**
5-B-1024—6 ft. long, complete with fittings..... **43.00**

White Porcelain Enameled Lavatories



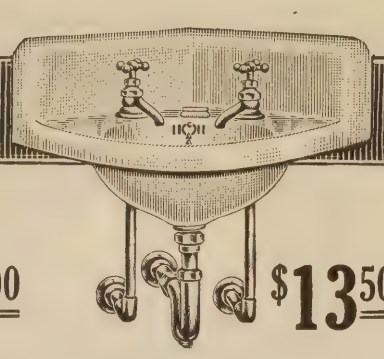
$10.00

Size of Slab, 17x19 inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece half circled lavatory with "D" pattern bowl. Easily and quickly attached with concealed wall hangers furnished. Fitted complete with low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-C-401. Complete as described with lead pipe connections..... **$10.00**

5-C-403. Complete as described with iron pipe connections..... **$10.50**



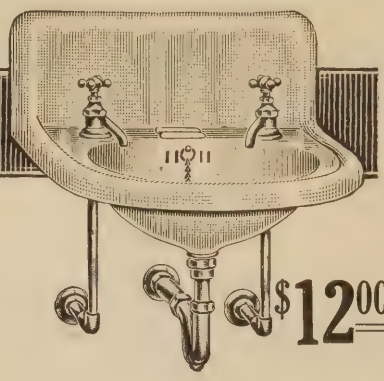
$13.50

Length on sides, 16¾ inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-B-601. Complete as described with lead pipe connections..... **$13.50**

5-B-603. Complete as described with iron pipe connections..... **$14.00**



$12.00

Size of Slab, 18x21 inches; bowl, 10½x14½ inches, height of back, 8 inches.

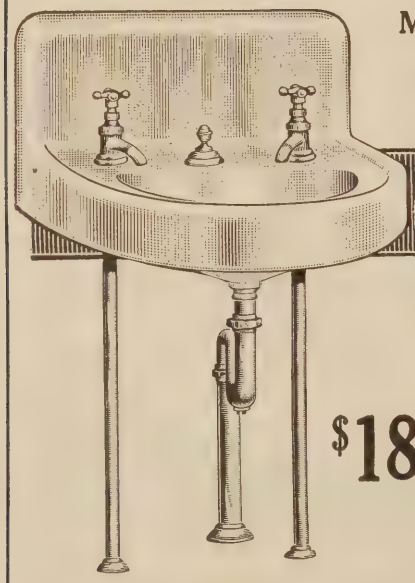
White porcelain enameled one-piece roll rim half circled lavatory with "D" pattern bowl. Easily hung with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-C-480. Complete as described with lead pipe connections..... **$12.00**

5-C-482. Complete as described with iron pipe connections..... **$12.50**

The Product of America's Leading Makers

Massive Deep Apron Pedestal Lavatory



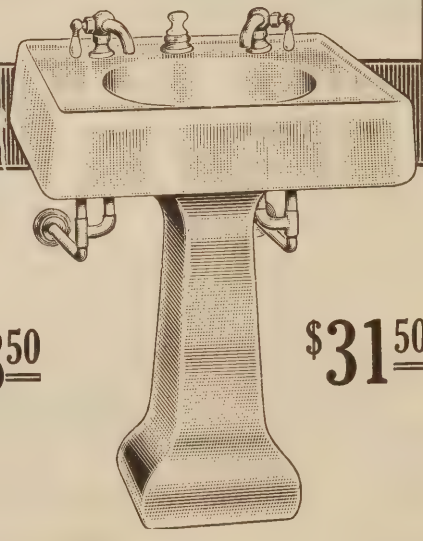
$18.50

Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor. Nickel-plated lifting waste with China index.

5-B-421. Complete as described with lead pipe connections..... **$18.50**

5-B-423. Complete as described with iron pipe connections..... **$19.00**

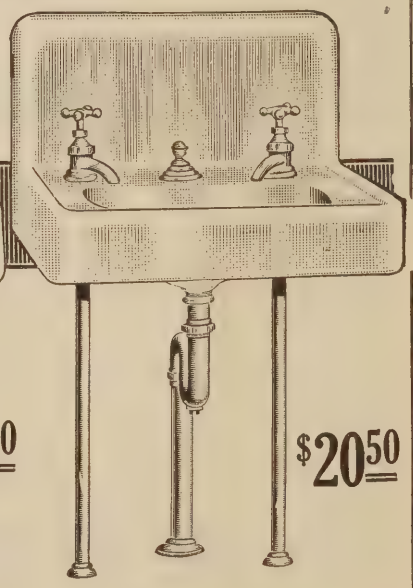


$31.50

Size of Slab, 20x24 inches; oval bowl, 11x15 inches; height of lavatory, 31 inches.

White porcelain enameled one-piece pedestal lavatory with oval bowl. Supported on a massive, properly proportioned white enameled pedestal. Fitted complete with nickel-plated model lifting waste with China knob and two fuller faucets with China handles, "hot and cold." Nickel-plated offset air chamber, supply pipes and 1¼ inch "P" trap to wall. This is an impressive lavatory and will give your bathroom a rich appearance.

5-C-98. Complete as described with iron pipe connections..... **$31.50**



$20.50

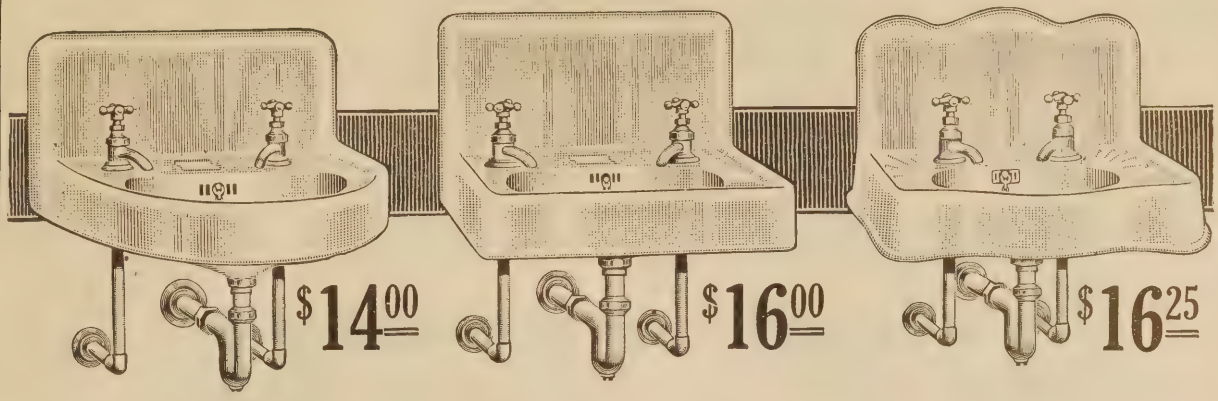
Size of Slab, 18x24 inches; bowl, 11x15 inches height of back, 10 inches.

White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated model lifting waste with China index and two compression faucets with China tops, marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor.

5-B-441. Complete as described with lead pipe connections..... **$20.50**

5-B-443. Complete as described with iron pipe connections..... **$21.00**

Priced Unusually Low for Big Economy



Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated low down compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-C-411. Complete as described with lead pipe connections..... **$14.00**

5-C-413. Complete as described with iron pipe connections..... **$14.50**

Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-C-311. Complete as described with lead pipe connections..... **$16.00**

5-C-313. Complete as described with iron pipe connections..... **$16.50**

5-C-314. Lavatory size 20x24 inches with fittings as described above..... **$18.00**

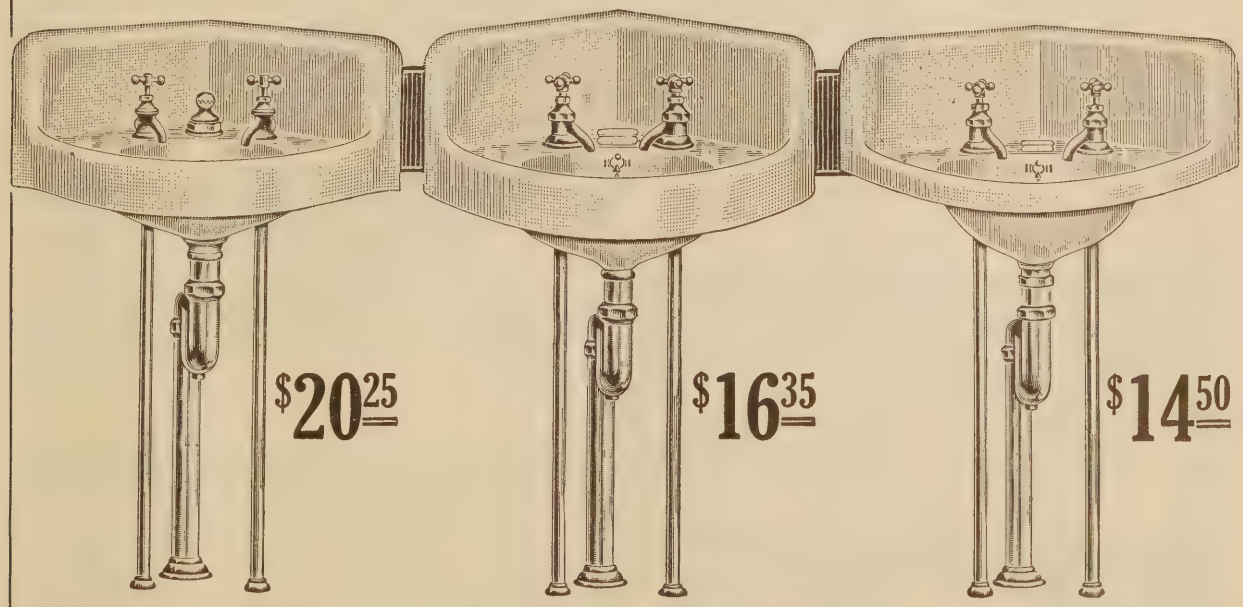
Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece shapely serpentine deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-C-492. Complete as described with lead pipe connections..... **$16.25**

5-C-494. Complete as described with iron pipe connections..... **$16.75**

Guaranteed in Every Way to Completely Satisfy



Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl. Supported on concealed wall hangers which are furnished. Fitted complete with nickel-plated model waste with China index and two compression faucets with China tops marked "hot and cold." 1¼ inch nickel-plated "S" trap, supply pipes with flanges to floor.

5-B-641. Complete as described with lead pipe connections..... **$20.25**

5-B-643. Complete as described with iron pipe connections..... **$20.75**

Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl, quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-B-621. Complete as described with lead pipe connections..... **$16.35**

5-B-623. Complete as described with iron pipe connections..... **$16.85**

Length on sides, 18¾ inches; bowl, 10¼x14½ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Supported on concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1¼ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-B-611. Complete as described with lead pipe connections..... **$14.50**

5-B-613. Complete as described with iron pipe connections..... **$15.00**

BEAUTIFUL ONE-PIECE KITCHEN SINKS

Double Drainboard Deep Apron Style

Elegant Kitchen Sink cast in one piece of finest quality gray iron. Enameled all over with white porcelain enamel, fitted with nickel-plated swinging mixing faucet with porcelain China handles, indexed hot and cold and porcelain China soap dish, nickel-plated brass "P" trap, cast iron porcelain enameled adjustable sink legs. These sinks can be installed 36 inches from the floor.

5-B-1840. Double drainboard sink. 62 inches long, with fittings as described **$67.00**

5-B-1841. Double drainboard sink, 73 inches long, with fittings as described **87.00**

One-Piece Deep Apron Sink

Made in one piece, including sink, drain board, back and end piece, 12 inches high, heavily coated with white porcelain enamel on the inside and over drain board, back and 5 inch deep apron with white porcelain enamel. Sanitary style with round corners. Furnished complete with two high grade nickel-plated faucets. Nickel-plated brass "P" trap to wall. Cast iron adjustable sink leg. Attached to wall with strong concealed wall hangers which are furnished without extra charge.

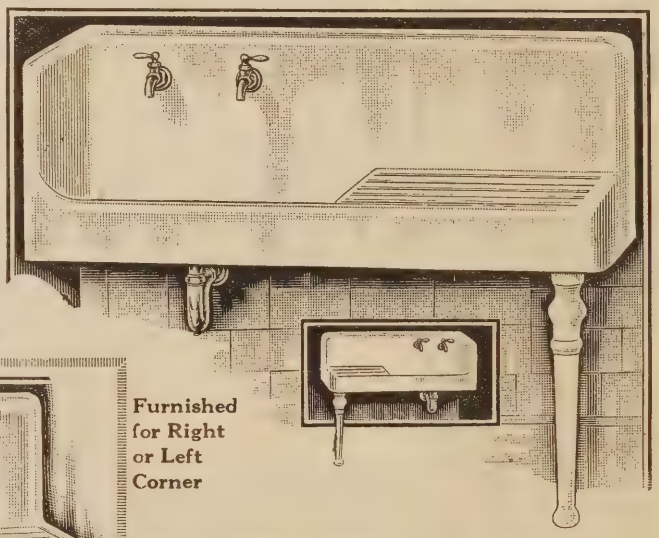
5-C-1853. 44 inches long, for right or left corner. Price **$35.00**

5-C-1855. 48 inches long, for right or left corner **43.00**

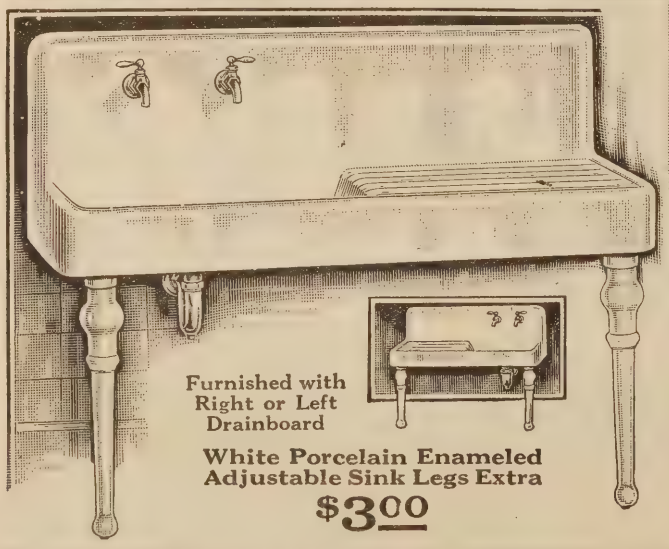
5-C-1856. 52 inches long, for right or left corner **49.00**

White Porcelain enameled sink leg, extra **1.50**

1½ in. nickel plated brass trap to floor in place of "P" trap, extra **.75**



Furnished for Right or Left Corner



Furnished with Right or Left Drainboard

White Porcelain Enameled Adjustable Sink Legs Extra

$3.00

Straight Wall One-Piece Deep Apron Sink

Sanitary kitchen sink, back and drain board cast in one piece; heavily coated on the inside and over the deep apron with white porcelain enamel. Deep apron, 5 inches wide. Furnished complete with two high grade nickel-plated faucets. Nickel-plated brass "P" trap to wall and two cast iron adjustable sink legs. Attached to the wall with strong concealed wall hangers, furnished without extra charge.

5-C-1846. 44 inches long, with left or right drain board **$36.00**

5-C-1848. 48 ins. long, with left or right drain board .. **43.00**

5-C-1850. 52 ins. long, with left or right drain board .. **47.00**

1½ in. nickel-plated brass trap to floor in place of "P" trap, extra ..... **.75**

LATEST SANITARY DECORATIVE MODELS

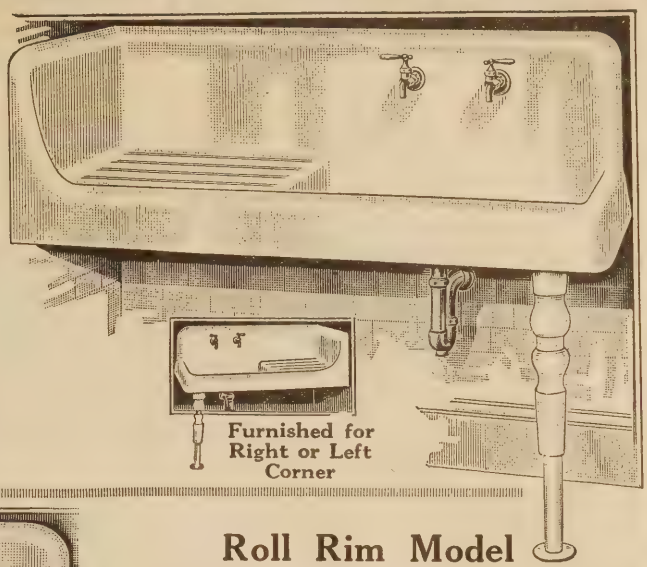
One-Piece Deep Apron Sink

An elegant kitchen sink with deep apron, back, drain board and end piece, cast in one piece. An impressive design, neat and easily cleaned—no corners or cracks to hold the grease and dirt.

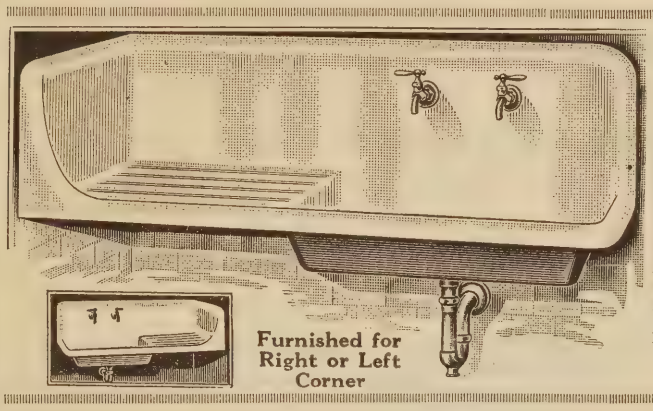
Supported on adjustable painted legs, and firmly attached by concealed wall hangers.

Furnished complete with nickel-plated improved strainer, ½ in. Fuller flange bibbs, 1½ in. nickel plated brass trap to wall I. P. conn., and one cast iron adjustable sink leg. Three sizes, furnished with right or left end piece. **Be sure to state whether right or left style is wanted when you order.**

5-B-1854. 44 inches long, with right or left end piece. Price **$35.00**
5-B-1857. 48 inches long, with right or left end piece.... **$43.00**
5-B-1858. 52 inches long, with right or left end piece.... **49.00**
1½" Nickel Plated Brass trap to floor, extra..... **.75**
White porcelain enameled cast iron sink leg, extra..... **$1.50**



Furnished for Right or Left Corner



Furnished for Right or Left Corner

Roll Rim Model One-Piece Corner Sink

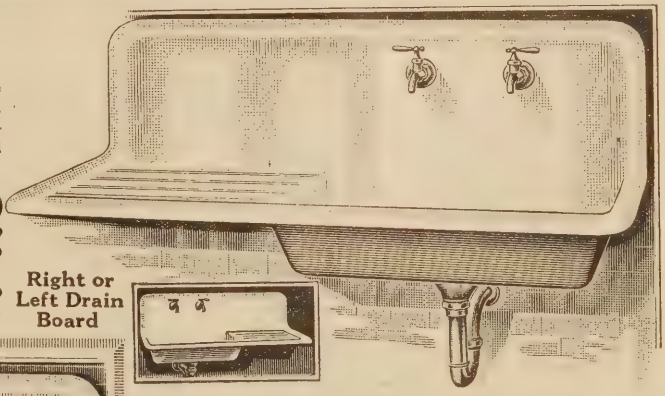
Splendid kitchen sink, sanitary and easy to keep clean—a roll rim sink with back drain board and end piece, all cast in one piece, heavily coated with white porcelain enamel. Furnished complete with concealed wall hangers, nickel plated improved strainer, ½ inch nickel plated Fuller flange bibbs, and 1½" Nickel Plated Brass trap to wall I. P. conn. Furnished in three sizes with right or left end piece.

5-B-1797. 44 inches long, with right or left end piece. Price **$30.00**
5-B-1798. 48 inches long, with right or left end piece..... **$34.00**
5-B-1799. 52 inches long, with right or left end piece..... **37.00**
Adjustable painted leg. Each..... **1.50**
White porcelain enameled sink legs, each..... **3.00**
1½" Nickel Plated Brass trap to floor, extra..... **.75**

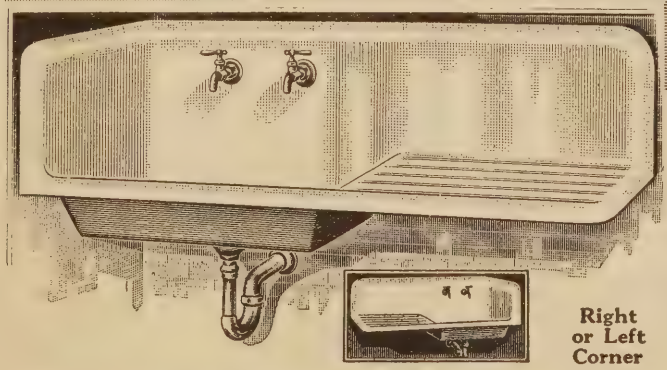
One-Piece Roll Rim Sink

This popular sink features all that is best in a combination sink, back and drain board cast in one piece. Heavily coated on the inside and over the back and wide roll rim with white porcelain enamel. Attached to wall with strong concealed wall hangers, furnished without extra charge. Fitted complete with two nickel plated faucets and 1½" Nickel Plated Brass trap to wall I. P. conn.

5-B-1791. 44 inches long, with left or right drain board **$26.00**
5-B-1793. 48 inches long, with left or right drain board.. **$28.00**
5-B-1795. 52 inches long, with left or right drain board.. **31.00**
Adjustable painted cast iron legs. Per pair..... **3.00**
White porcelain enameled sink legs, per pair..... **6.00**
1½" Nickel Plated Brass trap to floor, extra..... **.75**



Right or Left Drain Board



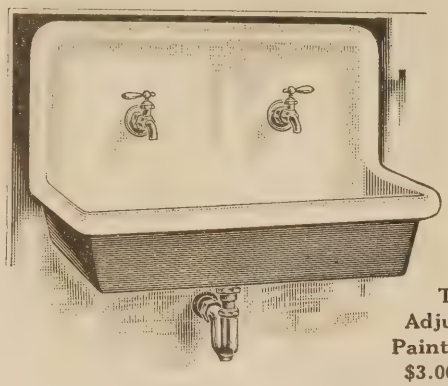
Right or Left Corner

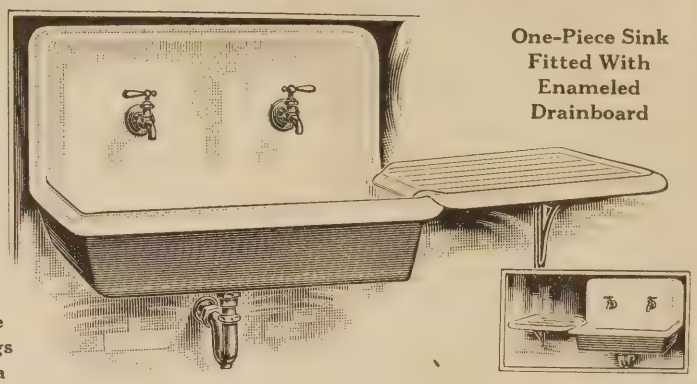
One-Piece Corner Sink

Heavily coated with white porcelain enamel. Made in one piece. Furnished complete with two nickel plated faucets and 1½" Nickel Plated Brass trap to wall I. P. conn. Quickly and easily attached to wall with strong concealed wall hangers which are furnished without extra charge.

5-B-1792. 44 inches long, for right or left corner **$30.00**
5-B-1794. 48 inches long, for right or left corner **$34.00**
5-B-1796. 52 inches long, for right or left corner **37.00**
Adjustable painted cast iron legs. Each **1.50**
White porcelain enameled sink leg, each..... **3.00**
1½" Nickel Plated Brass trap to floor, extra..... **.75**

Uncommon Values in Kitchen Sinks





One-Piece Sink Fitted With Enameled Drainboard

Two Adjustable Painted Legs $3.00 Extra

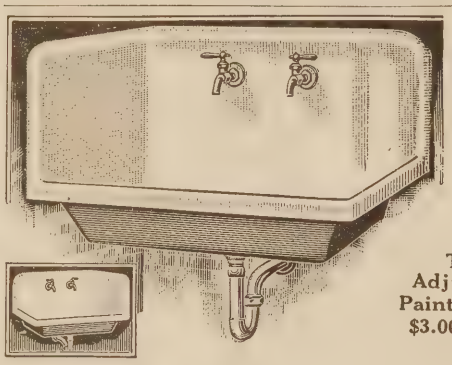
Made of smooth gray iron heavily coated on the inside and over the rim and back with white porcelain enamel; very neat, attractive and easy to clean. Furnished complete with two nickel-plated ½ inch flanged plain faucets, nickel-plated sink strainer and 1½ inch lead "P" trap to wall. Attached to wall with concealed wall hangers.

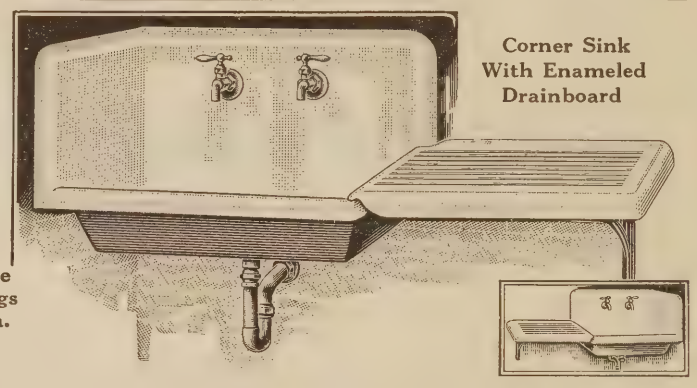
Prices Without Drainboard

Number.	Size of Sink.	Price
5-C-1631.	18x24 inches	**$14.50**
5-C-1632.	20x24 inches	**15.00**
5-C-1635.	18x30 inches	**15.50**
5-C-1639.	20x30 inches	**16.50**
5-C-1643.	20x36 inches	**18.50**
5-B-1644.	22x36 inches	**20.00**
5-B-1645.	22x42 inches	**22.00**

Complete With Drainboard

Number.	Size of Sink.	Size of Drainboard	Price
5-C-1675.	18x24 inches.	18x20 inches	**$19.00**
5-C-1677.	20x24 inches.	20x20 inches	**21.00**
5-C-1679.	18x30 inches.	18x24 inches	**20.50**
5-C-1681.	20x30 inches.	20x24 inches	**22.00**
5-C-1683.	20x36 inches.	20x24 inches	**24.00**





Corner Sink With Enameled Drainboard

Two Adjustable Painted Legs $3.00 Extra.

Heavily coated with white porcelain enamel on the inside and over the rim and back; no crevices or corners to catch the dirt. Back and end piece are 12 inches high. Furnished complete with nickel-plated strainer, ½ inch nickel-plated faucets and 1½ inch lead "P" trap to wall. Attached to wall with substantial concealed wall hangers.

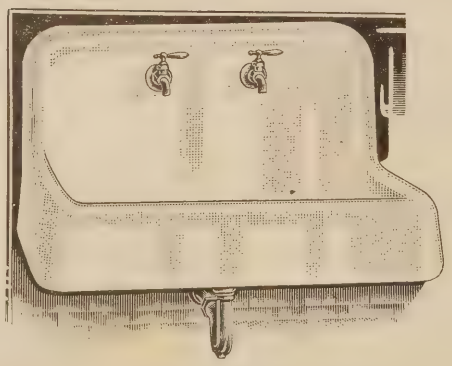
Prices Without Drainboard

5-B-1633.	Furnished complete as described, size 20x24 ins	**$20.00**
5-C-1634.	Furnished complete as described, size 20x30 ins	**21.75**
5-C-1636.	Furnished complete as described, size 20x36 ins	**24.00**

Complete With Drainboard

5-C-1676.	Furnished complete as described, size 20x24 ins	**$26.00**
5-C-1680.	Furnished complete as described, size 20x30 ins	**28.00**
5-C-1682.	Furnished complete as described, size 20x36 ins	**30.00**

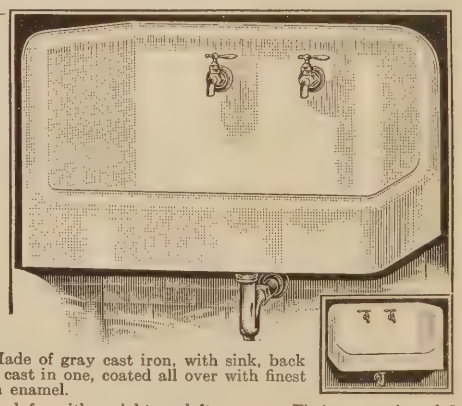
If you intend to install the sink yourself, specify iron pipe connection and add 75c to prices above.



Two Attractive One-Piece Deep Apron White Porcelain Enameled Kitchen Sinks

$21.50

$26.50



5-B-1637. Sink Apron, and back all cast in one piece. Enameled all over with finest quality white porcelain enamel.

Sink furnished with two nickel-plated ½ inch sink bibbs, nickel-plated brass trap to wall, nickel-plated strainer, concealed wall hangers.

Size, 18x30 inches. Complete with fittings **$21.50**
Size, 20x30 inches. Complete with fittings **24.50**

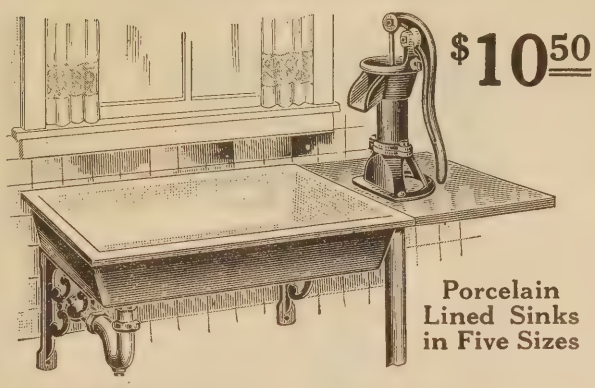
5-B-1638. Made of gray cast iron, with sink, back and corner piece cast in one, coated all over with finest quality porcelain enamel.

Sink furnished for either right or left corner. Fittings consist of 2 nickel-plated ½ inch sink bibbs, nickel-plated strainer, nickel-plated brass "P" trap and concealed wall hangers.

Size, 18x30 inches. Complete with fittings **$26.50**
Size, 20x30 inches. Complete with fittings **27.75**

Kitchen Sink Outfits and Accessories

Complete Kitchen Sink Outfit With Pitcher Spout Pump



$10.50

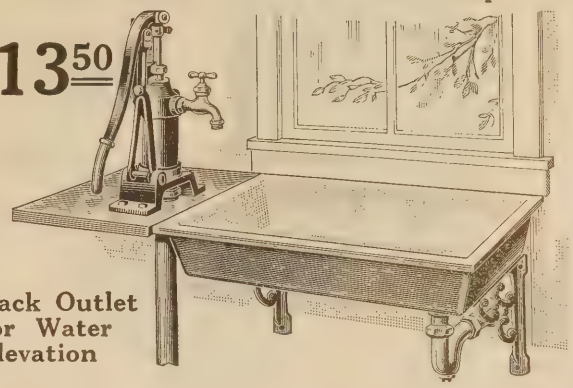
Porcelain Lined Sinks in Five Sizes

This kitchen sink outfit is identically the same as the one opposite except that we furnish a brass lined pitcher spout pump fitted for 1 in. iron pipe connection.

5-B-1601. Outfit complete with 18 in. x 30 in. sink with iron pipe connection **$10.50**
5-B-1604. Outfit complete with 18 in. x 36 in. sink with iron pipe connection **$12.15**
5-B-1605. Outfit complete with 20 in. x 30 in. sink with iron pipe connection **$11.35**
5-B-1607. Outfit complete with 20 in. x 36 in. sink with iron pipe connection **$13.30**
5-B-1609. Outfit complete with 20 in. x 40 in. sink with iron pipe connection **$15.60**

Complete Kitchen Sink Outfit With Brass Lined Force Pump

$13.50

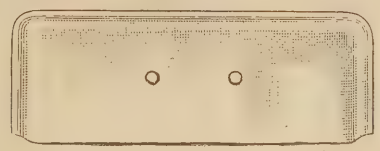


Back Outlet for Water Elevation

High grade flat rim cast iron porcelain lined sink fitted with nickel plated strainer and 1½ in. lead "P" trap with outlet to wall, fitted for 1½ in. iron pipe connection. Sink has two brackets. Force pump is made with 2½ in. brass lined cylinder with air chamber, insuring a steady flow of water; Pump is fitted for 1¼ in. suction pipe. Back outlet of pump fitted for 1 in. pipe, to elevate water to floors above. Attach hose to faucet for sprinkling or fire protection. Pump board not included.

5-B-1621. Kitchen sink outfit complete with sink size 18 in. x 30 in. with iron pipe connections **$13.50**
5-B-1623. Kitchen sink outfit complete with sink size 18 in. x 36 in. with iron pipe connections **$15.25**
5-B-1625. Kitchen sink outfit complete with sink size 20 in. x 30 in. with iron pipe connections **$14.45**

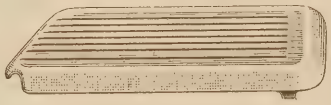
White Enameled Sink Backs



5-B-1718. Designed for use with flat rim sinks drilled for two faucets. Size 12 in. high and 2¼ in. deep.

Size 24 in. long	**$3.85**	Size 36 in. long	**$6.15**
Size 30 in. long	**4.20**	Size 40 in. long	**6.75**

White Enameled Drain Boards



5-B-1780. Interchangeable and can be used on either end of sink. Furnished complete with cast iron bracket.

SIZES AND PRICES

18 x 18 inches	**$5.35**
18 x 20 inches	**5.75**
18 x 24 inches	**6.15**
20 x 20 inches	**6.50**
20 x 24 inches	**6.65**

Flat Rim Cast Iron Sinks Painted or White Enameled

Serviceable Sinks

These high grade flat rim cast iron sinks are furnished with the inside painted or coated with white porcelain enamel over rim. Complete with nickel-plated strainer, iron sink collar and bolts. Collar can also be fitted for 1¼ in. or 1½ in. iron pipe connection if desired. If iron pipe connections are wanted for these sinks, add 25c to the prices below.

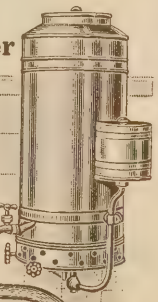
Painted Sinks

5-B-1701.	Size 18x24	**$3.35**
5-B-1702.	Size 18x30	**3.55**
5-B-1703.	Size 18x36	**4.20**
5-B-1704.	Size 20x30	**4.00**
5-B-1705.	Size 20x36	**4.70**
5-B-1706.	Size 20x40	**5.40**

Enameled Sinks

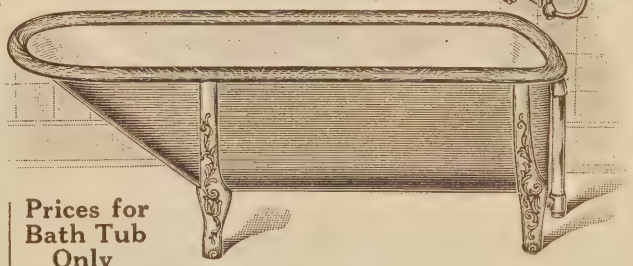
5-B-1709.	Size 18x24	**$6.00**
5-B-1710.	Size 18x30	**5.80**
5-B-1711.	Size 18x36	**8.45**
5-B-1712.	Size 20x30	**6.45**
5-B-1713.	Size 20x36	**9.25**
5-B-1714.	Size 20x40	**12.25**

Complete Bath Outfit for Homes Without Running Water



Composed of a high grade gasoline water heater with copper bottom and water coil. Sufficient water for bath heated in fifteen minutes. Tub furnished is made of heavy steel smoothly coated on the inside and capped with nicely finished oak top rim. Cast iron legs; equipped with connected waste and overflow fitted for 1¼ in. pipe.

5-B-1811. Complete with tub 4½ ft. long for iron pipe connection **$26.00**
5-B-1813. Complete with tub 5 ft. long for iron pipe connection **$26.25**



Prices for Bath Tub Only

5-B-1801. Tub only 4 ft. 6 in. long. Each **$10.85**
5-B-1803. Tub only, 5 ft. long. Each **11.25**
5-B-1805. Tub only, 5 ft. 6 in. long. Each **11.70**
5-B-1807. Tub only, 6 ft. long. Each **12.35**

If Fuller double bath cock to fit tub is wanted, add $3.30. If nickel-plated ½ inch supplies for iron pipe connections are wanted, add, per pair, $2.00

High and Low Tank Closet Outfits

Wash Down Type Closet Outfit

$24.00

Complete as Shown

Copper Lined Golden Oak Tank

Seat and Cover Finished to Match

Low tank closet outfit complete of dependable quality. Includes high grade tank finished in either polished golden oak or rich mahogany as desired; lined with heavy copper and fitted with rubber ball valve, which is operated by a push button; best interior fittings. Smooth white vitreous earthenware wash down type bowl. Seat and cover finished to match tank; nickel-plated elbow and supply pipe.

5-C-801. Complete as described, with seat and tank finished in golden oak, for lead pipe connections..... **$24.00**

5-C-803. Complete as described, with seat and tank finished in golden oak, for iron pipe connections..... **$24.50**

Wash Down Type Closet Outfit

$29.00

Complete as Shown

White Vitreous China Tank

Mahogany Finished Seat and Cover

Low tank closet outfit complete of excellent quality. Includes handsome white vitreous china tank with best interior fittings to insure a strong positive flush at all times; operated by white china lever. Shapely white vitreous earthenware wash down closet bowl glazed inside and out. Seat and cover finished in rich mahogany attached to bowl with heavy nickel-plated offset hinges. Nickel-plated elbow and supply pipe.

5-C-1001. Complete as described, with rich mahogany seat and cover; for lead pipe connections..... **$29.00**

5-C-1003. Complete as described with seat and cover finished in rich mahogany, for iron pipe connections..... **$29.50**

Wash Down Type Closet Outfit

Top or Bottom Supply

$24.00

Complete as Shown

Copper Lined Golden Oak Tank

Seat and Cover Finished to Match

Top supply high tank closet outfit complete offering substantial value. Includes highly finished golden oak tank lined with heavy copper; fitted with an improved valve insuring a strong flush; operated by nickel-plated chain. White vitreous earthenware wash down type closet bowl of neat pattern. Golden oak seat and cover finished to match tank attached to bowl with heavy nickel-plated offset hinges. One and a quarter inch nickel-plated flush pipe and 1¼ inch N. P. elbow, to connect flush pipe to bowl.

5-C-1101. Complete as described; for lead pipe connections..... **$24.00**

5-C-1103. Complete as described, for iron pipe connections..... **$24.50**

Furnished with Bottom Supply High Tank

The high tank closet outfit above is also furnished for bottom supply, complete with heavy copper-lined, highly polished golden oak tank, wash down type, white vitreous earthenware closet bowl fitted with seat and cover finished to match tank and equipped with 1¼ inch nickel-plated offset hinges, and a quarter inch nickel-plated flush pipe from tank to floor.

5-C-1111. Complete as described, for bottom supply with lead pipe connections..... **$25.00**

5-C-1115. Complete as described, for bottom supply with iron pipe connections..... **$25.50**

Priced Very Low for Big Economy!

Syphon Jet Type Closet Outfit

Top or Bottom Supply

$29.00

Complete as Shown

Copper Lined Golden Oak Tank

Seat and Cover Finished to Match

Top supply high tank closet outfit complete of improved design. Includes heavy copper lined highly finished golden oak tank equipped with latest improved valve and operated by a nickel-plated chain puller. Latest pattern Syphon jet bowl made of white vitreous earthenware highly glazed both inside and out. Seat and cover in golden oak finished to match the tank and attached to bowl with heavy nickel-plated offset hinges. 1¼-inch nickel-plated flush pipe.

5-C-1201. Complete as described with lead pipe connections..... **$29.00**

5-C-1203. Complete as described with iron pipe connections..... **$29.50**

Furnished with Bottom Supply High Tank

The high tank closet outfit above is also furnished for bottom supply, complete with heavy copper-lined highly polished golden oak tank. Syphon jet type bowl fitted with seat and cover finished to match tank and equipped with 1¼-inch nickel-plated flush pipe from tank to bowl; ⅜-inch nickel-plated supply pipe from tank to floor.

5-C-1211. Complete as described for bottom supply with lead pipe connections..... **$30.00**

5-C-1215. Complete as described for bottom supply with iron pipe connections.... **$30.50**

Syphon Jet Type Closet Outfit

$29.00

Complete as Shown

Copper Lined Golden Oak Tank

Seat and Cover Finished to Match

Low tank closet outfit complete of improved design. Includes finest tank highly finished in either polished golden oak or rich mahogany; lined with heavy copper and fitted with best improved valve, insuring a strong flush of water with a light touch of the push button. Latest pattern white vitreous earthenware Syphon jet closet bowl. Seat and cover finished to match tank; attached to bowl with heavy nickel-plated offset hinges. Nickel-plated offset and supply pipe.

5-C-811. Complete as described with golden oak tank and seat for lead pipe connections..... **$29.00**

5-C-813. Complete as described with golden oak tank and seat for iron pipe connections..... **$29.50**

Syphon Jet Type Closet Outfit

$34.00

Complete as Shown

White Vitreous China Tank

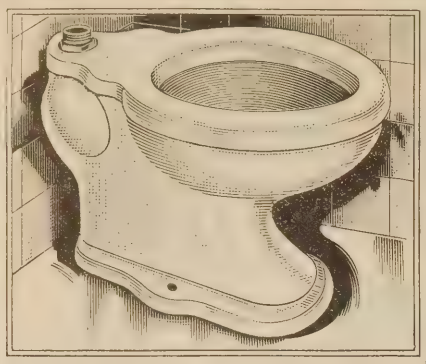
Mahogany Finished Seat and Cover

Low tank closet outfit complete of finest quality. Includes beautiful highly polished white vitreous china tank; easily kept clean. Fitted with latest improved rubber ball valve flush system made with fittings of heavy brass and copper; positive flush to bowl with light pressure on white china handle. White vitreous earthenware improved Syphon jet bowl glazed both inside and out. Rich mahogany finished seat and cover attached to bowl with heavy nickel-plated offset hinges. Nickel-plated offset and supply pipe.

5-C-1021. Complete as described with lead pipe connections..... **$34.00**

5-C-1023. Complete as described with iron pipe connections..... **$34.50**

Closet Bowls—Tanks and Seats

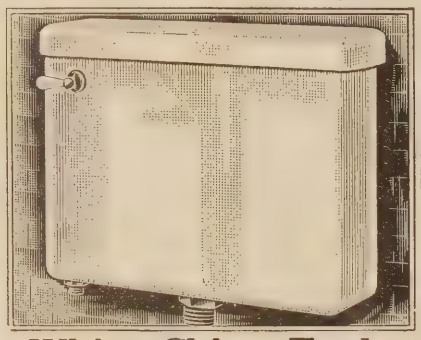


Syphon Jet Bowl

Syphon Jet Closet Bowl for low and high tank outfits. Made of finest grade of Vitreous earthenware with highly glazed white finish inside and out. Most sanitary type, easily kept clean. Weight, about 60 pounds.

5-C-1303. With 2 inch spud for low closet tanks. Price..... **$15.00**

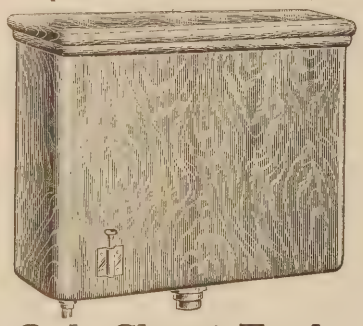
5-C-1307. With 1¼ inch spud for high closet tanks. Price..... **$15.00**



White China Tank

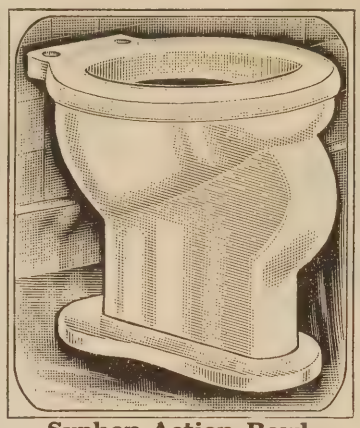
White Vitreous China Low Pattern Closet Tank. New, plain front design, round corners with flat shelf top.

5-C-1336. White Vitreous China Low Pattern Closet Tank. New, plain design, with rounded corners and flat shelf top. Quickly and easily hung with patent wall attachment. Will not crack, craze or leak—no linings—easily cleaned. Improved rubber ball valve. Heavy brass and copper fittings. Valve operated by white China lever. Furnished complete with ball cock, float valve and overflow; nickel plated supply pipe to floor and closet ell. Weight, about 60 pounds. Price..... **$16.00**



Oak Closet Tank

5-C-1325. Made of golden oak, highly polished; nickel plated push button. Fitted complete with Douglas pattern valve. Lined to water level with heavy sheet copper, capped off with heavy galvanized iron. Complete with ⅜ inch nickel plated supply pipe and nickel plated floor flange. Shipping weight about 45 lbs. 8 gallons.
Low Wood Tank, complete. Price..... **$11.00**



Syphon Action Bowl

Syphon action wash down closet bowls for low and high tank outfits. Made of the best grade of Vitreous earthenware, with highly glazed finish, sanitary and easily kept clean. Weight about 50 lbs.

5-C-1301. With 2 in. spud for low closet outfits..... **$10.00**

5-C-1305. With 1¼ in. spud for high closet outfits..... **$10.00**

Pearl White Seat

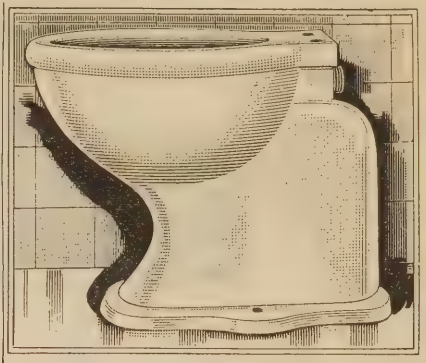
5-B-1310. These seats are exceptionally well constructed of hardwood and coated with a composition which is guaranteed not to chip or turn color. Furnished with nickel plated bar hinge of heavy cast brass. Shipping wt., 15 lbs.
Price..... **$7.00**

Mahogany Finished Seat

5-B-1312. Seat made of birch heavily constructed and reinforced. Beautiful Mahogany finish, furnished with cast brass nickel-plated bar hinge. Shipping Weight 15 lbs.
Price..... **$3.50**

Oak Closet Seat

5-B-1311. Made of selected Oak heavily constructed and reinforced. Finished with a beautiful Golden Oak finish. Furnished with heavy cast brass nickel-plated bar hinge. Shipping weight 15 lbs.
Price..... **$3.40**



Reverse Trap Bowl

Improved design wash-down Closet Bowl with reverse trap made of the highest grade Vitreous earthenware, finished with a high glaze. The design and construction of these bowls is considered the most sanitary closet bowls manufactured. Weight, 50 pounds.

5-C-1304. With 2 inch spud for low closet tanks. Price..... **$11.00**

5-C-1306. With 1¼ inch spud for high closet tanks. Price..... **$11.00**

Cast Iron White Tank

5-C-1334. These tanks are made of a heavy gray iron casting, coated with white porcelain enamel inside and out. They are unquestionably the most durable closet tank manufactured. Valve is operated with a China lever in front of the tank. Furnished with submerged ball cock, copper float valve and overflow, nickel plated supply pipe to floor and nickel plated closet ell.
Weight, about 90 pounds. Price..... **$15.00**

High Closet Tanks

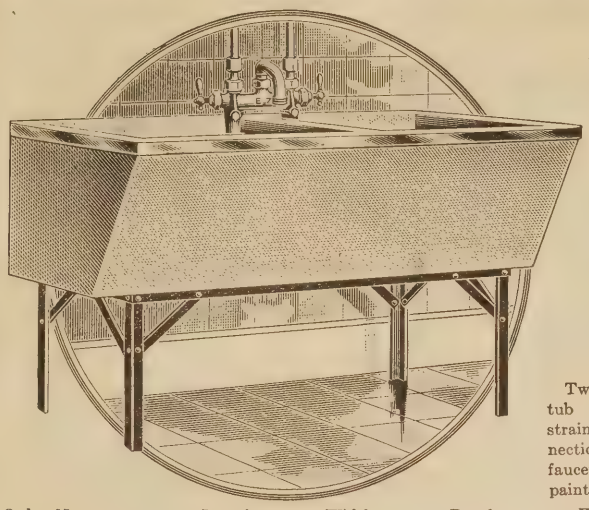
Top or Bottom Supply

Made of the best golden oak, highly polished. Attached to wall by concealed wall hangers. Furnished with nickel plated chain and pull. Lined with heavy sheet copper, nickel plated flush pipe connection. Weight about 30 lbs.

5-B-1315. High Tank Complete
Price, bottom supply..... **$8.50**

5-B-1317. Tank, same as above.
Price, top supply..... **$8.50**

Composition Stoneware Laundry Tubs



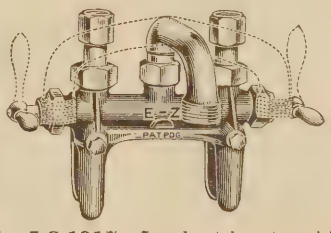
These laundry tubs are smoothly moulded in one solid piece from a composition of Portland cement and crushed granite. All designs with and without backs are made with rounded corners—sanitary and easily kept clean. They are fitted with a rust-proof metal top rim to protect them against chipping. Fitted complete with brass strainer, rubber plug and waste connection cast in the tub, which prevents leaky connections supported by painted steel stand. Polished brass ½ in. plain flanged wash tray bibbs are furnished. We will furnish 1½" nickel plate brass P trap to wall. I P conn. for $1.50 extra.

2-Part Tubs

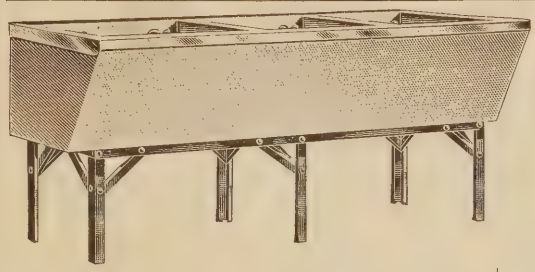
Two-part composition laundry tub fitted complete with brass strainer, rubber plugs, waste connection and improved mixing faucet opposite; supported by painted steel stand.

Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-C-1907	48	24	16	400	$16.00
5-C-1908	54	24	16	450	18.00
5-C-1909	60	24	16	475	20.00

Mixing Faucet



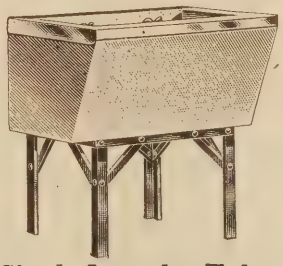
No. 5-C-1917. Laundry tub water-mixing faucet with swinging spout which mixes water to right temperature and distributes the flow to both compartments. Makes installation of your laundry tubs quick and economical; saves at least 6 hours in installation time and more than its cost in fittings alone.
Price each..... **$3.50**



3-Part Laundry Tubs

Three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pair of polished brass ½-in. flanged wash tray bibbs; supported by painted steel stand.

Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-C-1913	72	24	16	600	$22.50

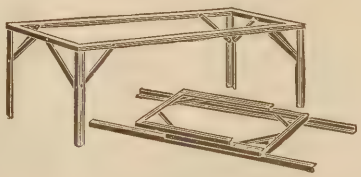


Single Laundry Tub

Single composition laundry tub fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass, ½-in. flanged wash tray bibbs; supported by painted steel stand.

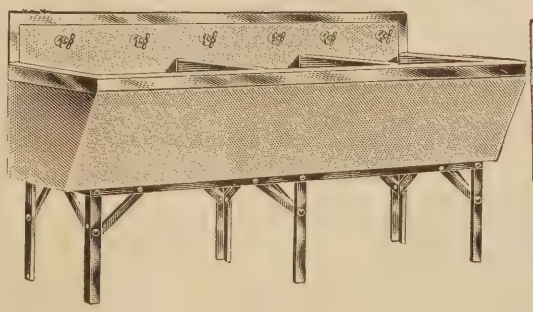
Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. lbs.	Price
5-C-1901	25	24	16	200	$ 9.00
5-C-1902	27	24	16	225	10.00
5-C-1903	31	24	16	250	10.50

Angle Steel Stand



Neat strong folding angle steel stands are furnished with all of our laundry tubs—a decided improvement over the shaky, unsightly old style cast-iron legs. Your laundry tub set on this improved base will stand solid and rigid. Made of one-inch angle iron with steel braces, painted black. Easy to set up, fold or open. There is no additional charge for this improvement.

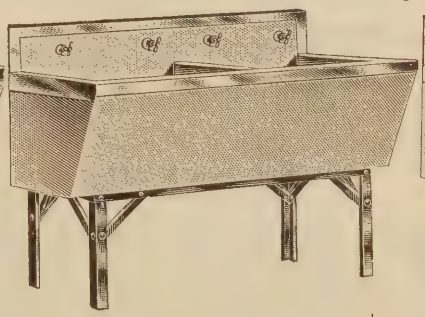
Desirable High Back Laundry Tubs



3-Part Laundry Tubs

High back three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pair of polished brass ½-in. flanged wash-tray bibbs; supported by painted steel stand.

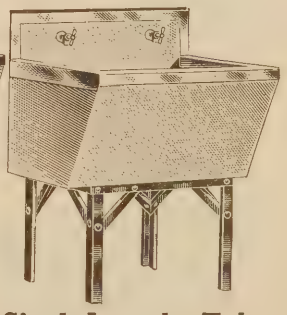
Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-C-1916	72	24	16	650	$28.00



2-Part Laundry Tubs

High back two-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connection and two pair of polished brass ½ in. flanged wash tray bibbs: supported by painted steel stand.

Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-C-1910	48	24	16	450	$18.00
5-C-1911	54	24	16	500	22.00
5-C-1912	60	24	16	525	24.00



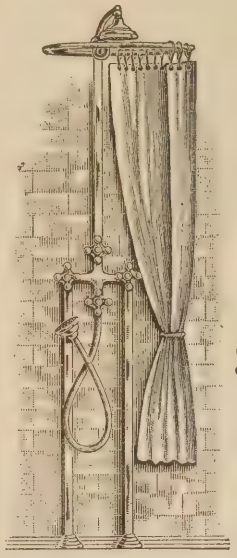
Single Laundry Tub

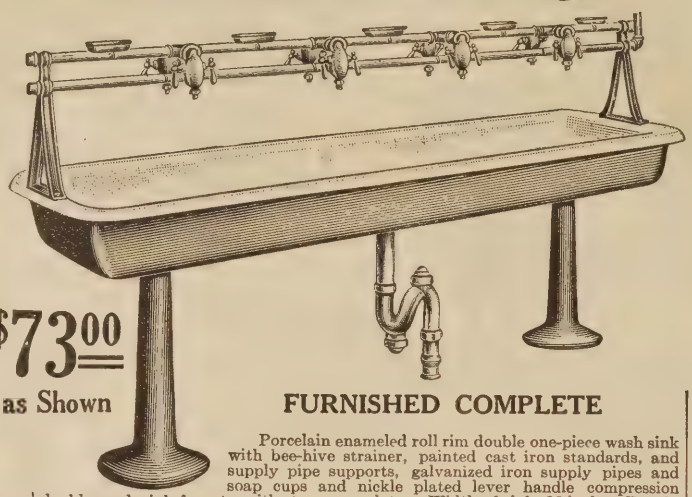
High back single composition laundry tub, fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass ½-in. flanged wash-tray bibbs; supported by painted steel stand.

Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. Lbs.	Price
5-C-1904	25	24	16	225	$10.00
5-C-1905	27	24	16	250	11.00
5-C-1906	31	24	16	275	12.50

Miscellaneous Plumbing Articles at a Saving

Factory Sinks at Great Savings



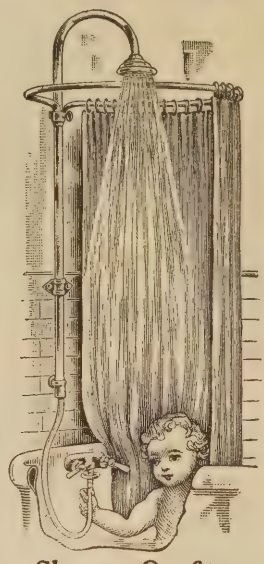


$73.00 as Shown

FURNISHED COMPLETE

Porcelain enameled roll rim double one-piece wash sink with bee-hive strainer, painted cast iron standards, and supply pipe supports, galvanized iron supply pipes and soap cups and nickle plated lever handle compression double wash sink faucets, with stream regulators. Width of sink, 28 inches. Depth, 8 inches.

5-B-2519	4 ft. long, enameled inside with 4 faucets	$73.00
5-B-2521	6 ft. long, enameled inside with 6 faucets	89.00
5-B-2526	8 ft. long, enameled inside with 8 faucets	110.00
	Same as above, with ½" Compression Faucets	
5-B-2518	4 ft. long, complete with 8 faucets	$69.00
5-B-2520	6 ft. long, complete with 12 faucets	82.00
5-B-2525	8 ft. long, complete with 16 faucets	99.50



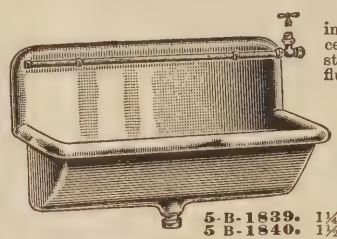
Shower Outfit

5-B-3071. Nickel Plated Brass Shower Bath with Head Shower and Shampoo Attachment, Rubber Hose and Sprinkler, ½ inch Supply Pipes to floor with check valves, China Indexed Controlling Valves and Duck Curtain..... **$25.00**

Shower Outfit

No. **5-B-3069.** Polished aluminum portable shower bath with heavy duck curtain. Portable and adjustable to various heights. Furnished complete as pictured with "hold fast" rubber bulb and rubber hose to ½ in. pure aluminum feed pipe.
Shipping weight 10 lbs.
Complete outfit..... **$8.75**

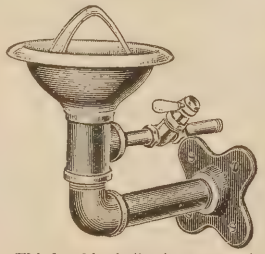
Porcelain Enamel Urinals—Roll Rim $15.75



Porcelain enameled roll rim urinals, all in one piece. They are supported on concealed wall hangers and have beehive strainer and coupling, and perforated flush pipe with loose key stop.

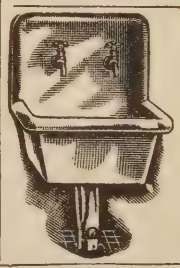
		Prices
5-B-1833.	Size, 24 inches long	**$15.75**
5-B-1834.	Size 30 in. long	**$18.00**
5-B-1835.	Size 36 in. long	**20.40**
5-B-1836.	Size 42 in. long	**22.70**
5-B-1837.	Size 48 in. long	**25.00**
5-B-1838.	Size 60 in. long	**32.00**
5-B-1839.	1¼ inch Nickel Plated P Trap	**2.30**
5 B-1840.	1½ inch Nickel Plated P Trap	**2.60**

Ajax Bubbling Fountain



This bowl is similar in construction to our Lot No. 5-A-2510, excepting that the waste and supplies go to the wall instead of to the floor. It is adapted for places where economy of space is desired. It is equipped with nickel plated, self-closing stop with lever handle.

Lot No. **5-B-2515.** Bowl painted outside and enameled inside..... **$11.25**
5-B-2516. Bowl enameled inside and outside..... **$12.60**

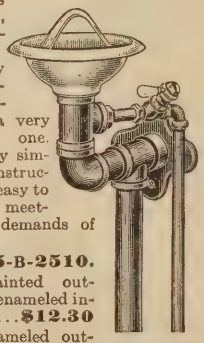


Enameled Roll Rim Slop Sinks

Order No. 5-B-1091. Porcelain enameled roll rim slop sink, with back, all in one piece, on trap standard, with cleanout and waste to wall 12 in. high roll rim back, outlet threaded for 2 in. iron pipe.

Size—16x20x12—Enameled inside only	**$23.60**
Size—18x22x12—Enameled inside only	**$27.35**
Size—20x24x12—Enameled inside only	**30.70**
Extra for 2—¾" Nickel Plated Fuller Flange Bibbs	**3.50**

Hercules Bubbling Fountains



This beautiful, up-to-date, Sanitary Drinking Fountain is a very practical one. It is very simple in construction and easy to put up, meeting the demands of all.

Lot No. **5-B-2510.** Bowl painted outside and enameled inside..... **$12.30**
Bowl enameled outside and inside..... **$13.65**

Premier Slop Hopper

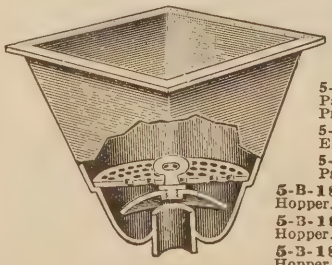
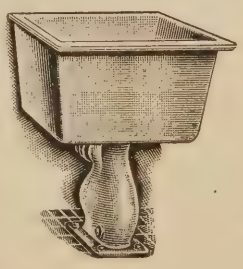


Illustration shows our "Premier" painted and enameled iron Slop Hopper. It is furnished complete as shown and made of the very best material, and made in three sizes.

5-B-1865. Size 12 x 12 inches, Painted Hopper. Price **$4.55**
5-B-1866. Size 12 x 12 inches, Enameled Hopper. Price..... **$5.95**
5-B-1867. Size 14 x 14 inches, Painted Hopper. Price..... **$5.10**
5-B-1868. Size 14x14 inches, Enameled Hopper. Price..... **$6.40**
5-3-1869. Size 16x16 inches. Painted Hopper. Price..... **$5.65**
5-3-1870. Size 16x16 inches. Enameled Hopper. Price..... **$6.90**
Tapped for 2 inch Iron Pipe..... **75c**

Enameled Iron Flat Rim Slop Sink

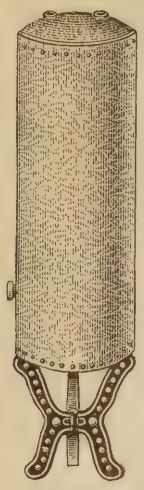


5-B-1877. Illustration shows our enameled iron flat rim Slop Sinks, which are furnished on the trap standard with cleanout and brass vent connections.

Size	Prices
16x16x10 inches	**$14.50**
16x20x12 inches	**$16.15**
18x22x12 inches	**18.20**
20x22x12 inches	**19.90**
20x24x12 inches	**20.75**

They are shipped from our factory in Southern Wisconsin

HOT WATER STORAGE TANKS



GALVANIZED Range Boilers

Standard Weight

Guaranteed full weight. Tested to a working pressure of 150 pounds. Furnished complete with stand, galvanized inside tube and malleable iron couplings. Opening at top for cold water intake and hot water outlet. Opening at bottom for drain for use where average pressure is not over 85 pounds.

Extra Heavy

Heavier and more substantial than our standard range boilers. Tested to 250 pounds working pressure. Recommended for use where working pressure is not over 150 pounds.

Please Note:

Range boilers can only be used where there is a constant water supply under pressure. Openings are arranged with couplings for connection to stove or furnace for hot water supply from your faucets.

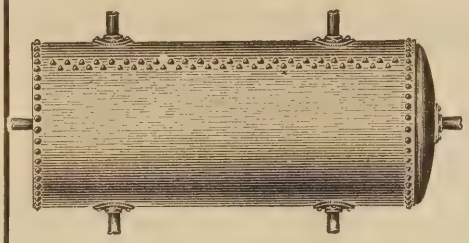
No. 5C-2101 Standard Boilers

Cap., Gals.	Ht., In. Boiler	Ht., in. incl. Stand	Wt., Lbs.	Boiler only	Price, comp.
30	60	75	72	$10.50	$12.50
40	60	75	85	13.50	15.50
52	60	75	120	22.25	25.50

No. 5-C-2109 Extra Heavy Boilers

Cap., Gals.	Ht., in. Boiler	Ht. in., incl. Stand	Wt., Lbs.	Boiler only	Price, comp.
30	60	75	87	$12.25	$14.25
40	60	75	100	15.50	17.50
52	60	75	135	28.00	31.50

Water Storage Tanks



Order No. 5-C-2705

These splendid storage tanks are made up of finest quality steel plate, securely joined, heavily and closely riveted thru-out. Shell head of ⅜ inch steel, convex head of ⅝ inch steel. Concave heads of all tanks including 525 gallon size of ¼ inch steel; larger sizes have concave head made of ⅝ inch steel. They are carefully tested to 100 pounds hydrostatic pressure and are recommended for use where water working pressure does not exceed 65 pounds. Regularly made with flanged openings as shown. Can be used in a horizontal or vertical position.

Approx. Capac. Gallons	SIZES Diam. Inches	Length Feet	Approx. Weight Pounds	Regular Open. Inches	Price Each
85	20	5	310	1½	$ 41.00
100	24	4	330	1½	43.00
120	24	5	380	1½	49.00
140	24	6	440	1½	53.50
180	30	5	500	2	63.00
220	30	6	560	2	69.00
250	30	7	630	2	78.00
295	30	8	700	2	84.00
315	36	6	700	2	82.00
420	36	8	870	2	102.00
525	36	10	1030	2	117.00
430	42	6	890	2	110.00
575	42	8	1070	2	133.00
720	42	10	1250	2	150.00

GALVANIZED Water Heating "PEERLESS" Range Boilers

The heat generated in the burner strikes the water spreader or disc and passes directly into the water, causing it to circulate. The disc or spreader is used for the purpose of spreading water; it also prevents the flame from coming in contact with the bottom of the boiler, thus protecting it against the gas flame. In The Peerless we have nothing to conceal.

The cold water is carried to the bottom of the disc through the left hand pipe and comes instantly in contact with the hottest part of the boiler, just above the flame. It is quickly heated and as it is warmed, rises through the center tube to top of boiler.

The heat, after passing around the disc, continues all the way up through the center of boiler.

Lot No.	Lgth.	Diam.	Price, each.
5-C-5118	3 ft.	12 ins.	**$24.00**
	Capacity, 18 Gallons.		
5-C-5124	4 ft.	12 ins.	**25.00**
	Capacity, 24 Gallons.		
5-C-5130	5 ft.	12 ins.	**26.00**
	Capacity, 30 Gallons.		
5-C-5140	5 ft.	14 ins.	**32.00**
	Capacity, 40 Gallons.		

Cast Iron Stand for Range Boilers

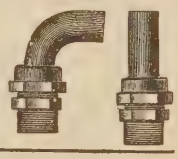
These Stands are made of high grade gray cast iron. They are extra strong and are made to carry an overload far beyond the capacity we list. The height is 15 inches.

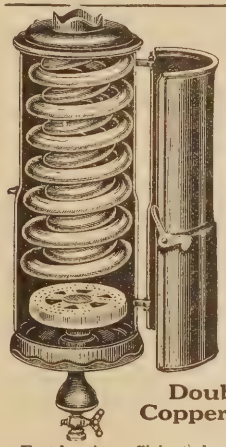
Order No.	Diam. Stand	For Boiler	Price Each
5-C-2117	12-in.	30 gal.	**$0.70**
5-C-2121	14-in.	40 gal.	**.70**
5-C-2123	16-in.	52 gal.	**1.75**

Galvanized Range Boiler Couplings

These Couplings are made of the best grade Malleable Iron heavily galvanized. Threaded for Iron Pipe connections.

Lot No. 5-C-2125. Per Set..... **$1.30**





Gas Burning Water Heater

Fast Efficient Water Heater

Double Copper Coil

Fast heating, efficient, double copper coil water heater, designed to meet most exacting requirements.

Made with double copper coil. Cast iron jacket of neat design. Hinged door forms half of jacket. All casting fired Japanned. 3-inch flue connection. ½-inch gas supply, ¾ inch water supply. Thoroughly tested.

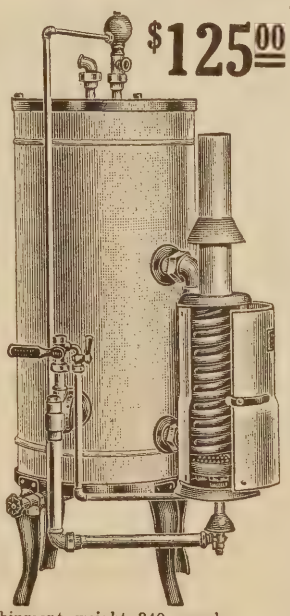
5-C-2134. Size, 18 ins. high, 7 ins. in diameter, ¾ in. copper tubing, 18 ft. long. Weight, 28 pounds. Price, each..... **$8.75**

5-C-2136. Size, 24 ins. high, 8 ins. in diameter, with ¾ in. tube, 25 ft. long. Weight, 48 lbs. Price, each..... **10.75**

"PERFECTION" AUTOMATIC

Hot Water Storage System

$125.00



The "Perfection" Hot Water Storage System is designed to supply an abundance of clean, hot water for the home, hospital or barber shop or anywhere at anytime it is needed.

Always a tank full of hot water ready for instant use, made possible by the snap action type thermostat. When the temperature of the water in the tank cools down to 130 degrees, the thermostat automatically turns on the gas, which is automatically ignited by a small pilot light. When the temperature rises to 160 degrees, the thermostat shuts off the gas and it does not burn again until water is used, and the temperature of water in the tank is reduced.

The tank is splendidly insulated, being completely covered with hair felt and enclosed in a heavy, galvanized jacket finished in grey enamel to match the heater.

The heater is designed with a heavy copper coil for big capacity and instantaneous water heating; special type burner to insure good combustion under all conditions.

"Perfection" Hot Water Storage Tanks are quickly and easily installed in new or old buildings. No new service or change of piping is necessary. First cost and operating expense decidedly low.

Capacity of tank, 24 gallons, water connections, ¾"—gas connection, ½". Height, 51". Chicago shipment, weight, 340 pounds.

No. 5-C-161. "Perfection" Hot Water Storage System, complete as described. Price..... **$125.00**

FROST-PROOF CLOSET

$28.50

Complete as Illustrated

5-C-1900. Valve action is free and easy, allowing full capacity of tank to flush the bowl, unobstructed by interior parts. Separate valves make it easy to adjust and safe and sure from frost and leaks. A slight pressure on the seat operates the valve and gives a full pressure of water to flush the bowl clean. Always clean, sanitary and odorless. Can be put in a very small space. This outfit as illustrated complete as shown.. **$28.50**

Harris Air Pressure Water Supply
Pure Fresh Water in Abundance

You May Now Enjoy All of the Conveniences of a City Home

A "Harris" water supply outfit gives you every convenience of clear, pure running water when and where you want it. You will only have to turn the faucet. Free yourself of the drudgery of having to carry water around in pails. You can now have a modern bathroom in your home. Many steps may be saved in the kitchen and laundry. You'll wonder how you got along without running water after your system is installed.

A Reliable Protection in Case of Fire

You cannot afford to take the risk of being without a water supply system of some kind for use in case of fire. An elevated tank in the attic may have some advantages over carrying water from the well in buckets, but its use is very limited. An air pressure system offers the most reliable protection. With water pipes throughout the house and faucets placed at various convenient and accessible points, it is almost impossible for a fire to get much of a start. Simply connect the hose to any of the faucets, turn on the valve and you can have the fire extinguished in a few moments.

Read over carefully description of the outfits on the following pages. The advantages offered, the simplicity of operation and the low prices at which they are offered make it, not a matter of deciding whether or not you want an outfit, but rather, a matter of deciding which of the outfits you want. Start today to get your outfit. Order Now!

Outfit Easily and Quickly Installed
Always Ready When and Where You Want it

So Handy About The Farm for Watering Purposes

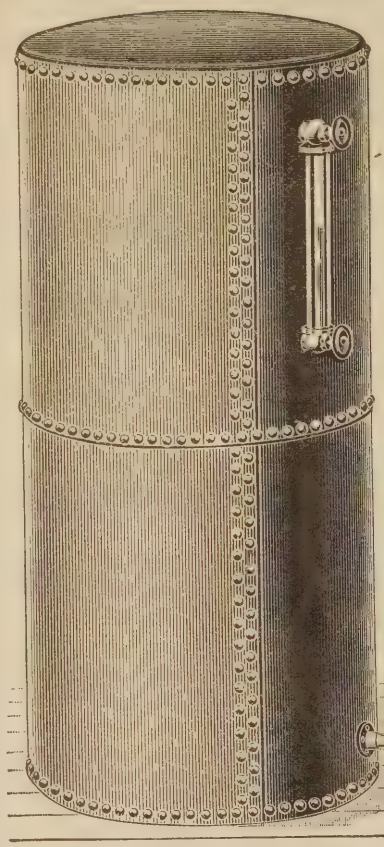
You will quickly realize the advantages of an air pressure water supply system. It is so much handier than carrying the water around in buckets. Just the thing for watering horses, cattle, hogs and chickens. A system of this kind is almost a necessity for use in the garden. A lawn sprinkler may be attached, keeping the grass always fresh and green.

Quickly and Easily Installed and Operated

Any ordinary mechanic can install one of these systems for you, or you can do the work yourself in one afternoon. Complete plans and instructions are furnished with every outfit making it impossible for you to go wrong. There is no possible chance for these outfits to get out of order. They are very simple, containing the fewest working parts of any outfit on the market. Every outfit is guaranteed to be absolutely satisfactory in every way or your money will be refunded. If you are in doubt as to which size outfit will be needed to fulfill your requirements, we will be glad to give you any information that might help you out.

Picture your home equipped with all the conveniences that are offered by one of these outfits. Think of the time, money and unnecessary labor that will be saved. Read over the following pages carefully. The extremely low prices will convince you that these outfits are a necessity that you cannot afford to be without. Look them over now!

NEW UP-TO-DATE WATER WORKS OUTFIT



This simple and reliable outfit will be found to be a most efficient water works system. After reading the full instructions, furnished with each outfit, you'll be able to set it up in a few hours' time, regardless of whether you have had any previous experience or not.

No country or suburban home is complete without one of these outfits. It provides all of the conveniences of city life—running water, both hot and cold, for kitchen, bathroom and the entire premises. It will also furnish protection in case of fire. It's so convenient to have plenty of hot and cold running water whenever and wherever you want it that you would not want to part with the outfit after it is once installed.

We are confident that you will be more than satisfied. That's why we offer to refund your money if you are not. Each outfit is guaranteed to work successfully and to be absolutely perfect in every detail.

$70.00

For Complete Outfit

Outfit Consists of

Brand New Black Steel Pneumatic Tank, size 24 in. x 6 ft., double-riveted, capacity 145 gallons, working capacity 100 gallons, made of 3/16 shell and 5/16 head.

Our Horizontal Double-acting Force Pump, equipped with pneumatic attachment for pumping water and air at same time, 1¼ in. suction, 1 in. discharge, capacity 300 gallons per hour, tested under 150 lbs. cold water pressure. Most durable and dependable pump made.

Also Water Gauge, Pressure Gauge, Check Valve, Globe Valve, Elbows, Tees, Couplings and Nipples for complete installation.

5-B-6001. Outfit complete. Price, only..... **$70.00**

Outfit includes black steel double riveted air tight pneumatic tank, made of 3/16 shell and 5/16 head. Fully tested to 200 pounds air pressure and guaranteed for working pressure of 75 pounds. Price of outfit depends upon size of tank furnished as shown below.

Pump furnished with this outfit is our 4-B-2455 Double Acting Horizontal Force Pump, equipped with pneumatic attachment and used for pumping water and air at the same time. Pump tapped for 1¼ inch suction and 1 inch discharge. We also furnish complete with water gauge glass, pressure gauge, check valve, globe valve and all other fittings, such as galvanized nipples, unions, couplings, etc., required in installation.

Special Note.—For the convenience of our customers, we list below several standard size outfits. Bear in mind, however, we can furnish these outfits with tanks of any size desired, either larger or smaller. Consult list given below and if you want special size tank, write us for quotation.

Tanks can be furnished to lay horizontally. Unless otherwise specified will be shipped with tappings for vertical setting.

Special quotations furnished on power-driven outfits, deep well outfits or any other special feature wanted.

5-B-6002. Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons. Price..... **$94.00**

5-B-6005. Complete Outfit. Size of tank, 30 inches by 6 feet. Capacity of tank, 220 gallons. Working capacity, 160 gallons. Price..... **$83.00**

5-B-6007. Complete Outfit. Size of tank, 30 inches by 8 feet. Capacity of tank, 295 gallons. Working capacity, 200 gallons. Price..... **$97.00**

5-B-6009. Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 300 gallons. Price..... **$112.00**

AIR PRESSURE TANKS

Prices on tanks subject to market changes. Note our very low prices on our air pressure tanks. We can furnish any of the various size tanks in the following list, at prices quoted. These prices are F. O. B. cars our factory near Chicago. We can quote you freight prepaid prices or F. O. B. Chicago prices on request. These tanks are all fully tested and guaranteed perfectly air tight before shipments. Guaranteed for a working pressure of 75 lbs.

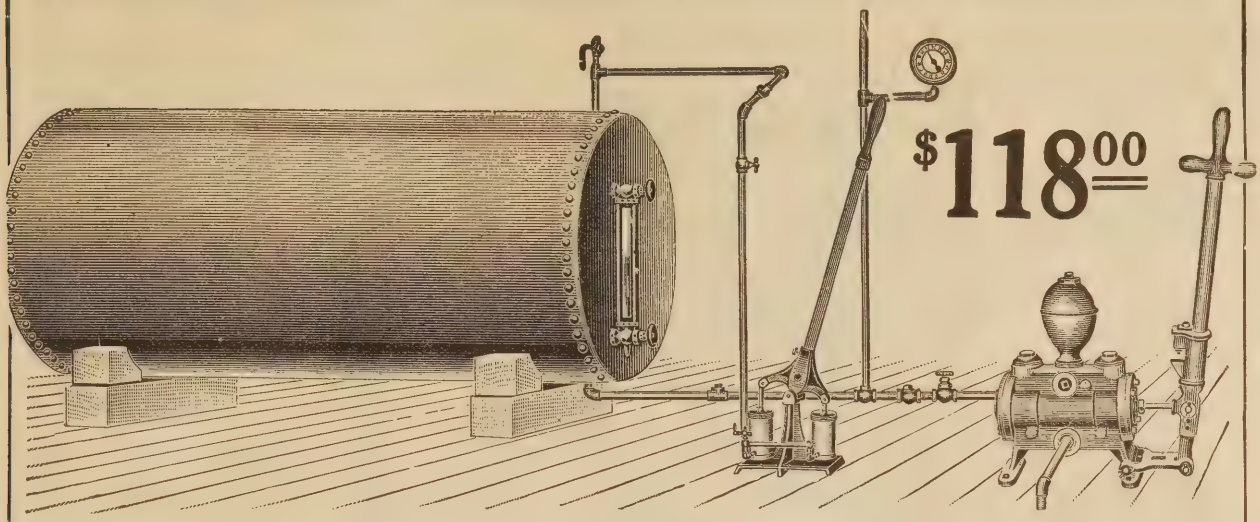
In ordering, state whether tank is wanted tapped to stand vertically or to lay horizontally.

Order Number	Diam. Inches	Length Feet	Weight Pounds	Capacity Gallons	Thickness, In. Shell	Thickness, In. Head	Prices Black	Prices Galv.
5-B-6101	24	6	370	145	3/16	¼	$40.00	Write for Prices
5-B-6105	24	10	525	245	3/16	¼	61.50	
5-B-6107	30	6	558	220	3/16	5/16	52.00	
5-B-6109	30	8	677	295	3/16	5/16	64.00	
5-B-6111	30	10	795	365	3/16	5/16	73.00	
5-B-6115	36	6	760	315	3/16	5/16	62.00	
5-B-6117	36	8	926	420	3/16	5/16	77.00	
5-B-6119	36	10	1,090	525	3/16	5/16	89.00	
5-B-6121	36	12	1,253	630	3/16	5/16	100.00	

Order Number	Diam. Inches	Length Feet	Weight Pounds	Capacity Gallons	Thickness, In. Shell	Thickness, In. Head	Price Black	Price Galv.
5-B-6123	42	8	1,422	575	¼	3/8	$110.00	Write for Prices
5-B-6125	42	10	1,685	720	¼	3/8	128.00	
5-B-6127	42	12	1,953	865	¼	3/8	145.00	
5-B-6129	42	14	2,215	1,000	¼	3/8	164.00	
5-B-6135	48	14	2,665	1,300	¼	3/8	187.50	
5-B-6137	48	16	2,963	1,500	¼	3/8	208.50	
5-B-6141	48	20	3,565	1,880	5/16	½	252.50	
5-B-6143	48	24	4,167	2,260	5/16	½	292.00	

Manheads, $15.00 extra. Water Gauges, etc., are not included in the above prices. All tanks tested to 200 lbs. air pressure, and guaranteed.

Modern Air Pressure Water Works Outfit



One of the special features of this outfit is the absolutely positive air supply arrangement. You'll find this feature to be a decided advantage in that it will give you a plentiful supply of air at all times, with only a few strokes of the pump.

A two-cylinder air pump is furnished with this outfit. A very important feature, is the large 3-inch Cylinder Water Pump, which is furnished, supplying a large volume of water and filling the tank in a very short time. This reduces the amount of pumping required. A full set of instructions and blue print diagrams, showing just how to install, furnished with every outfit.

We furnish these outfits, exactly as shown, complete, with large 3-inch Cylinder, Double Acting, Water Force Pump, Two-Cylinder, High Pressure Air Pump, with long, detachable lever, as illustrated, all necessary valves, check valves, fittings, pressure gauge, water gauge, complete with gauge cocks, guard rods, etc., the necessary piping to connect the pump with the outfit as shown; also the necessary pipe between the water pump and the tank. We do not furnish the suction pipe leading from the pump to the well, as this varies in every case. This will come extra, according to our net catalogue price on 1¼-inch Galvanized Iron Pipe. We, however, furnish the piping between the pump and tank, as shown in this illustration, and necessary fittings, which makes the outfit complete, as illustrated.

Below you will find three complete outfits. If in doubt, write us for complete estimate. Tell us the size outfit and send sketch of quantity of pipe and fittings needed from well to pump and from pump to supply in your home. We will make a delivered price on all your needs.

5-B-6203. Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons. Price..... **$118.00**

5-B-6207. Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 360 gallons. Price..... **$130.00**

5-B-6209. Complete Outfit. Size of tank, 36 inches by 10 feet. Capacity of tank, 525 gallons. Working capacity, 360 gallons. Price..... **$145.00**

Harris Electric Water Supply System

A Pressure Water Supply System—Automatic and Pneumatic With All Latest Improvements and Satisfactory Features

$167.50

This splendid outfit will give you plenty of water all the year round without the least bit of attention. It is designed to work automatically with positive safety—simple and durable—noiseless. Operated at exceptionally low cost.

Complete in design, requiring little floor space. Quickly and easily assembled by any one. Includes Harris pump, driving motor, automatic pressure switch, pressure tank, pressure gauge, complete water gauge drain cock, foot valve, safety pop valve, two stop cocks, air vent valve, bushing and nipple.

THE HARRIS PUMP as furnished with this outfit is made of the very highest grade of materials. It is self acting and practically noiseless as it contains no gears. All inside bearings are lubricated by the splash system. A special priming arrangement holds the water in the pump after it is once started. Pump has a capacity of 180 gallons per hour. Brass lined cylinder 2" stroke, 1¼" bore. The belt is always kept tight by means of a spring tension idler which works automatically. The pump will draw water a distance of 20' from the low water level to the base of the pump.

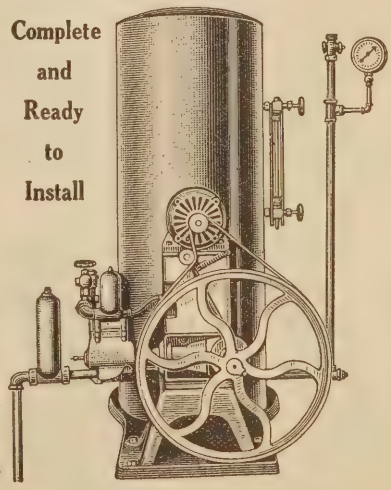
THE AUTOMATIC CONTROL SWITCH furnished with this outfit keeps this system in operation without any trouble or work on your part. When the tank has been pumped so that the pressure on the gauge registers about 40 pounds the switch automatically breaks the circuit and stops the motor and when the pressure falls down to about 15 pounds it automatically starts the motor and keeps on working until the maximum pressure is again obtained. The pressure can be regulated by adjusting a small nut located at the switch. It is well constructed and there is very little danger of it getting out of order.

THE MOTOR as furnished with this outfit is the induction coil type made by one of the largest manufacturers of motors in the country. All high grade materials are used and it is well assembled and without a doubt one of the best motors on the market suitable for this purpose.

5-B-25. Complete Pumping Outfit. Consisting of 53 gallon black storage tank, pump with ¾ inch suction, ½ inch discharge pipe, motor, and necessary equipment to install (suction pipe not included). Price..... **$167.50**

5-B-26. Harris Automatic Electric Water Supply System. Same as 5-B-25, but furnished with 82-gallon iron tank. Price..... **$193.00**

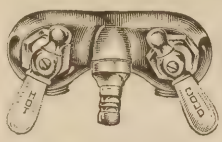
Complete and Ready to Install



Be sure to state whether you have Direct, or Alternating Current, and Specify Cycle, Phase, and Voltage

Faucets-Cocks & Plumbing Accessories

Indexed Compression Double Bath Cock $2.75



Made of brass, nickel plated; china index lever handles. The large chamber at back thoroughly mixes water.

5-B-3104. Price with lead pipe, tall pieces..... $2.75
5-B-3106. Price, with iron pipe, tall pieces..... $3.25

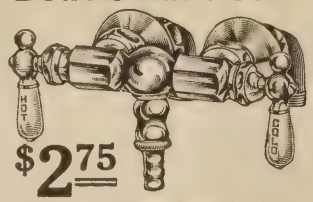
Fuller Basin Cock

$1.40

Cast brass, heavy design, finely nickel plated. Generally sold in pairs, one right and one left hand, but will single. State whether right or left hand is required.

5-B-3110. Price with iron pipe, tall piece, Each..... $1.40

Indexed Fuller Double Bath Cock



$2.75

Made of heavy cast brass, handsomely nickel plated. Guaranteed to be the best cock on the market.

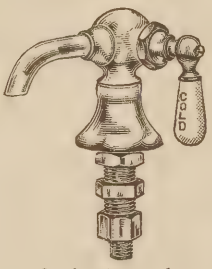
5-B-3101. Price with lead pipe, tall piece..... $2.75
5-B-3103. Price with iron pipe, tall piece..... $3.25

Self Closing Faucet

$3.00

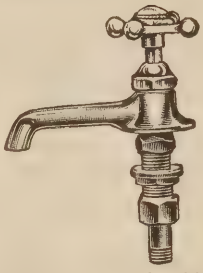
Compression Nickel Plated Self-Closing Faucet with china top marked "Hot" or "Cold." Low pattern. Mention index wanted.

5-A-3122. Price with lead pipe, tall pieces..... $3.00
5-B-3124. Price with iron pipe, tall pieces..... $3.25



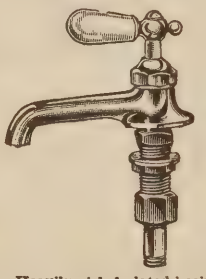
Made of cast brass, heavy design, nickel plated; white china handles indexed "hot" or "cold." Generally sold in pairs, but if ordered single, state whether right or left and hot or cold faucet is wanted.

5-B-3110½. Price with iron pipe tall piece, each..... $1.65



Handsome serviceable heavily nickel plated Basin Cock. The body and spout are cast solid in one piece. White porcelain plate marked "Hot" or "Cold." If not ordered in pairs, be sure and state index desired.

5-B-3125. Price with iron pipe, tall piece, each..... $1.00



Heavily nickel plated basin cock, serviceable and attractive. Body and spout in one piece. Fitted with white porcelain lever handle. When ordering, state whether right or left cock is wanted.

5-B-3126. Price with iron pipe tall piece, each..... $1.10

Nickeled Safety Chain

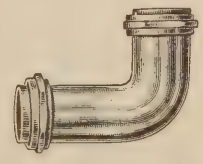
5-B-5900. Nickel plated safety chain used on plugs, stoppers, closet puller, etc.
Price per yard..... 10c

Closet Screws & Washers

5-B-3191. Nickel Plated Heavy Pattern Head Closet Screws and Washers 2¼ inches under the head. Price, per set of 12 pieces..... 15c

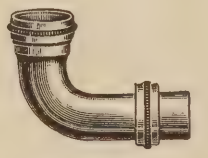
OFFSET SLIP JOINT CONNECTIONS

5-B-3197. Made of brass, nickel plated. Size 2x2x6 inches. For use with low-down closet tanks and syphon jet bowls.
Price, each..... 95c



SLIP JOINT CONNECTION

5-B-3185. These elbows are made of brass and are heavily nickel plated. Sizes 2x4x in., to be used with low-down closet tanks and wash-down bowls.
Price, each..... 90c



ONE QUARTER BEND SLIP JOINT CONNECTION

5-B-3196. Heavily Nickel Plated Brass Slip Joint Connections, size, 1¼ inch by 1¼ inch for use with high closet tanks and wash down bowls. Price, ea. 70c

Supply and Flush Pipes for High Closet Tanks

Offset Supply Pipe

5-B-3194. Nickel Plated; made of ⅝-in. heavy brass tubing; use with high tank closet outfits, each.

$1.75

Offset Flush Pipe

5-B-3193. Nickel plated; use with high tank closet outfits. Heavy brass tubing, 1¼ in. x 5½ ft. long, 3 in. offset, 1⅝ in. collar.

$1.85

Basin Supply Pipes

5-B-3171. Nickel plated Basin Supply Pipes to wall, plain, made of heavy ⅝ in. brass tubing fitted with coupling to fit basin cock, nickel plated flanges.
Price, per pair. $2.00

Straight Basin Supply Pipes

5-B-3173. Straight basin supplies made of heavy tubing. Size ⅛ inch, fitted with nickel plated coupling threaded to fit basin cocks, furnished with nickel plated floor flanges. Price, per pair..... $2.00

Bath Tub Supply Pipes

5-B-3167.

Nickel plated straight bath supply pipes, made of heavy ½-inch tubing fitted with coupling, threaded to connect with tall pieces on bath cock, complete with floor flanges.

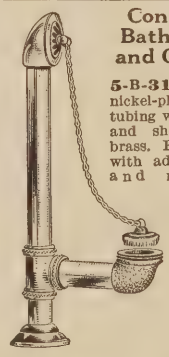
Price, per pair..... $2.00

Lavatory "P" Traps to Wall

LAVATORY TRAPS

Made of brass tubing. Is heavily nickel plated.

5-B-3145. 1¼-inch nickel plated plain "P" trap, For lead pipe connections. Price, ea. $2.25
5-B-3146. 1¼-inch nickel plated plain "P" trap. For iron pipe connection. Price, each..... $2.75



Connected Bath Waste and Overflow

5-B-3131—Heavy nickel-plated brass tubing with nuts, ell and shoe of cast brass. Furnished with adjustable tee and nickel-plated floor flange; nickel-plated chain and rubber stopper. Price each,

$2.40

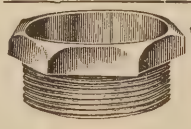
Lavatory "S" Traps

1¼ and 1½ inch

To Floor

5-B-3157. 1¼-inch nickel plated "S" trap. For lead pipe connection.
Price, each.. $2.50

5-B-3158. 1¼-inch nickel plated "S" trap. For iron pipe connection.
Price, each.. $3.00



Soldering Bushing

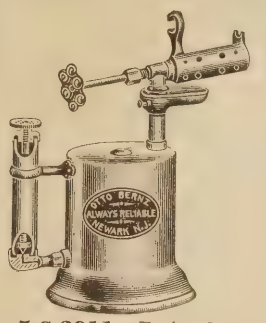
5-B-3198. Soldered to lead pipe to make iron pipe connections. Size 1¼ in. Price. 20c
5-A-3199. Size 1½ inch Price..... 24c

Cock Hole Covers

5-B-3190. Porcelain Enameled Cock Hole Covers for bath tubs, sinks and lavatories.
Price, each..... 20c

Stop Cocks & Plumbing Accessories

Gasoline Blow Torch



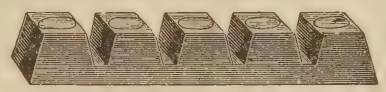
5-C-2911. Equipped with soldering iron attachment. Made of heavy brass and has non-leakable valves. The safest and best torch on the market. Fully guaranteed.

Capacity, 1 qt. Price...**$5.95**

Pig Lead for Calking

5-B-159. Pig lead for calking and all plumbing work, Per pound..... **12c**

Babbitt Metal



Intended to be used in bearings of various kinds. The different grades of babbitt that we offer we guarantee to be of the very best composition.

PREMIER BABBITT

5-B-6503. A special mixture embodying anti-friction ingredients, used on high speed engines Price, per pound.....**35c**

No. 3 BABBITT METAL

5-B-6507. Used for bearings of low speed machinery. Price, per pound.....**13c**

Spun Oakum

Used for calking soil pipe and fittings. Comes in 50 lb. bales.

5-B-2907. Price, per full bale.....**$4.75**

5-B-2908. In less than full bales, per lb.....**10c**

Calking Chisel

5-B-2923. Plumbers' calking chisel, made of special tool steel. Price, each.....**25c**

Yarning Irons

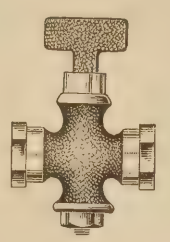
5-B-2925. Plumbers' yarning iron, made of special tool steel. Price, each.....**25c**

Bending Springs

5-B-2897. Used for bending lead pipe. Made of the best quality of spring steel.

Size, inches	1¼	1½
Price, each	**50c**	**58c**

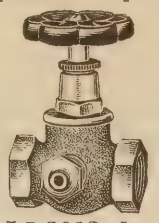
Compression Stop Cock



"T" Handle Brass Stop for Iron Pipe.

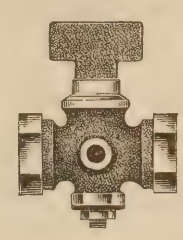
5-B-3011. Each

Size, ½ inch..	**$0.53**
Size, ¾ inch..	**.75**
Size, 1 inch..	**1.32**
Size, 1¼ inch..	**2.25**
Size, 1½ inch..	**3.75**



No. **5-B-3012.** Improved automatic compression waste valve. First or last half turn of handle closes or opens flow. Cannot waste under full compression. Threaded for iron pipe

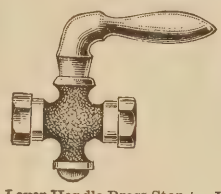
Size, ½ inch.....	**$0.65**
Size, ¾ inch.....	**.78**
Size, 1 inch.....	**2.00**



"T" Handle Brass Stop and Waste for Iron Pipe.

5-B-3013. Each

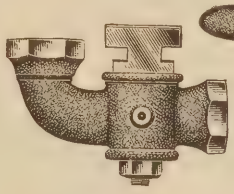
Size, ½ inch..	**$0.55**
Size, ¾ inch..	**.77**
Size, 1 inch..	**1.35**
Size, 1¼ inch..	**2.30**
Size, 1½ inch..	**3.80**



Lever Handle Brass Stop for Iron Pipe.

5-B-3019.

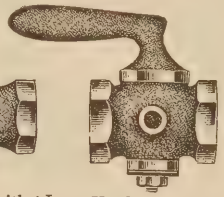
Size	Each
½ inch.....	$0.53
¾ inch.....	.75
1 inch.....	1.32
1¼ inch.....	2.25
1½ inch.....	3.75



Brass Hydrant Cock with Waste for Iron Pipe

5-B-3027. Each

Size, ¾ inch.....	**$1.40**
Size, 1 inch.....	**2.05**
Size, 1¼ inch.....	**3.25**

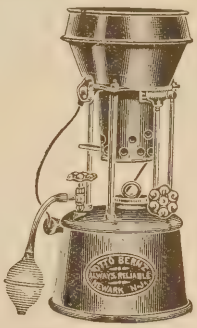


Lever Handle Brass Stop and Waste for Iron Pipe.

5-B-3021.

Size	Each
½ inch.....	$0.55
¾ inch.....	.77
1 inch.....	1.35
1¼ inch.....	2.30
1½ inch.....	3.80

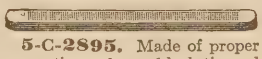
Gasoline Blast Furnace



5-C-2913. Fitted with shield to hold melting pot. This furnace will produce quicker and hotter flame than any other furnace of its kind on the market.

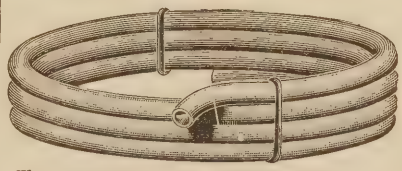
Price.....**$6.25**

Plumbers' Solder



5-C-2895. Made of proper proportions of pure block tin and pig lead. Comes in bars weighing about 1¼ lbs. each. We sell full bars only. Guaranteed to be the best plumbers' solder on the market. Price, per bar..**50c**

LEAD PIPE



We will furnish this pipe cut in lengths you may require. Prices are based on present market conditions. We will offer Lead Pipe subject to market changes.

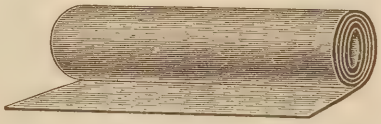
5-B-2801. For waste pipe

Diameter, inch.....	1¼	1½	2	4
Weight per foot.....	2 lb.	3 lb.	4 lb.	5 lb.
Price per foot.....	28c	42c	56c	70c

5-B-2803. Strong Lead Pipe.

Diameter, inches.....	⅝	¾
Weight per foot.....	2½ lb.	3 lb.
Price per foot.....	38c	45c

Sheet Lead



5-B-2805. Sheets are 24 inches wide.

Thickness, inches.....	½	¼
Weight, per square foot.....	2 lbs.	4 lbs.
Price, per square foot.....	**30c**	**60c**

Melting Pots

5-B-2915. To be used in connection with our Gasoline Bulb Blast Furnace. Price.....**42c**

Soldering Outfit

A handy outfit for the man who wants to do repair work around the house. For outside work, we suggest that you include one of our blow torches described on this page. Five pieces complete: 1-lb. Soldering Copper, with handle; 1 Plumber's Scraper; 1 Bar of Solder, about 1¼ lbs.; 1 Coil of Wire Solder, ¼ lb.; 1 Piece of Rosin.

No. **5-B-4900**.....**$1.25**

Melting Ladles

5-B-2917.

Size, across bowl, inches.....	3	5
Price.....	**37c**	**68c**

Box Wood Dresser

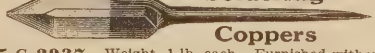
5-C-2935. Plumbers' Box Wood Dresser.

Price, each.....**$1.00**

Oval Shave Hook

5-B-2929. Plumbers' oval shave hook, crucible steel blade. Price, each.....**25c**

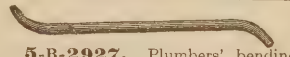
Soldering Coppers



5-C-2937. Weight, 1 lb. each. Furnished without handles. Price, each.....**45c**

5-C-2939. 2-lb. Soldering Copper. Each.....**90c**

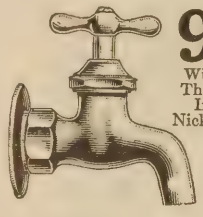
Bending Pins



5-B-2927. Plumbers' bending pins. Price, each.....**20c**

Best Faucets, Bibbs and Cocks

Compression Plain Bibbs



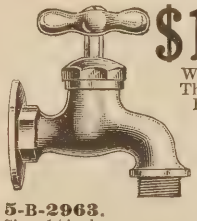
90c With Flange Threaded for Iron Pipe Nickel Plated.

5-B-2959. Size, ½ inch.....**90c**
5-B-2961. Size, ⅝ inch.....**$1.20**
Brass finished 20c less

80c Threaded for Iron Pipe Nickel Plated

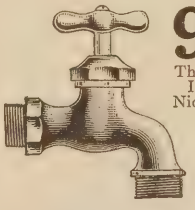
5-B-2951. Size, ½ inch.....**80c**
5-B-2953. Size, ⅝ inch.....**97c**
Brass finished 20c less

Compression Hose Bibbs



$1.05 With Flange Threaded for Iron Pipe Nickel Plated

5-B-2963. Size, ½ inch.....**$1.05**
5-B-2965. Size, ⅝ inch.....**$1.30**
Brass finished 20c less



90c Threaded for Iron Pipe Nickel Plated

5-B-2955. Size, ½ inch.....**90c**
5-B-2957. Size, ⅝ inch.....**$1.10**
Brass finished 20c less

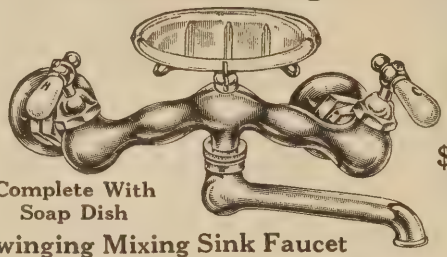
Plain Compression Laundry Bibb

5-C-3501. Polished brass. For ½ inch iron pipe. Shipping weight, about 8 oz.
Price.....**45c**

Compression Hose Laundry Bibb

5-B-3502. Same as No. 5-B-3501 but for ¾ inch hose connection.
Price.....**50c**

Swinging Mixing Faucets



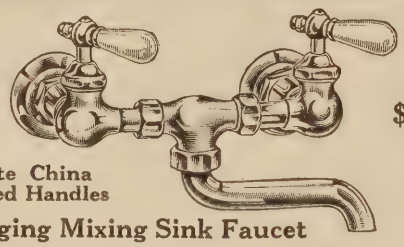
Complete With Soap Dish

$8.00

Swinging Mixing Sink Faucet

No. **5-B-1603.** Latest improved swinging mixing faucet for kitchen sinks. Made of heavy brass, highly nickel plated. Fitted with white China handles indexed for hot and cold water. The long spout mixes hot and cold water to just the right temperature and distributes the flow to all parts of the sink. White porcelain China soap dish supported by neat nickel plated bracket attached to top of faucet. Designed to fit standard openings in kitchen sinks. Made with flange and threaded for ½ inch pipe connections. Price, each.....**$8.00**

Mixing Faucet same as described above without soap dish $7.00

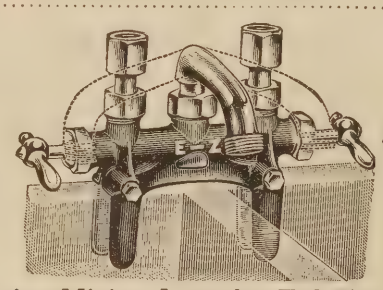


White China Indexed Handles

$5.75

Swinging Mixing Sink Faucet

No. **5-B-1604.** Mixing faucet with swinging spout for kitchen sinks. Designed to fit standard openings of all sinks. White China handles indexed for hot and cold water. Long spout mixes hot and cold water to the right temperature and enables you to distribute the flow practically to any part of the sink. Made with flange and threaded for ½ inch iron pipe connections. Made of brass highly nickel plated.
Price, each.....**$5.75**

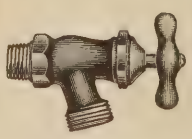


Saves Time and Fittings

$5.00

Swinging Mixing Laundry Tub Faucet

No. **5-B-1605.** Improved laundry tub faucet. Quickly and easily connected to any laundry tub; saves more than half of the time required for installation and more than its cost in fittings alone. The long spout mixes water to the right temperature and enables you to distribute the flow to both compartments of your laundry tub. Made of brass highly nickel plated. Fitted with adjustable lock nuts threaded for iron pipe connection. Price, each.....**$5.00**



Boiler Cock

No. **5-B-2129.** Boiler drain cock. Made of solid brass in rough finish. Threaded for standard hose couplings, ½ inch connection to range or heating boiler.
Price, each.....**40c**

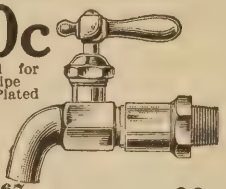
Sill Cock

No. **5-B-3035.** Compression sill cock with ¾ inch threaded for standard hose coupling and threaded for connection to ¾ inch iron pipe. Made of brass in rough finish with iron wheel.
Price, each.....**75c**

Sill Cock

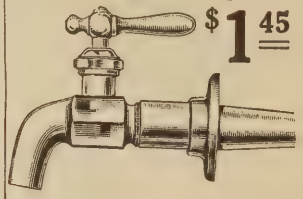
No. **5-B-3500.** Compression sill cock with loose key. Made of polished brass. Cast key. Size, ¾ inch. Protects your water supply and prevents leakage.
Price, each.....**85c**

Fuller Pattern Plain Bibbs



90c Threaded for Iron Pipe Nickel Plated

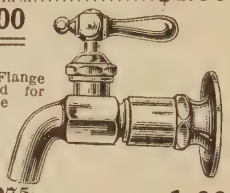
5-B-2967. Size, ½ inch.....**90c**
5-B-2969. Size, ⅝ inch.....**$1.00**
Brass finished 15c less



$1.45

With Flange for Lead Pipe Connection Nickel Plated.

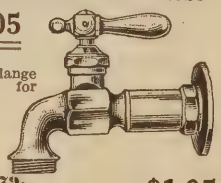
5-B-2991. Size, ½ inch.....**$1.45**
5-B-2993. Size, ¾ inch.....**$1.55**



$1.00 With Flange Threaded for Iron Pipe Nickel Plated

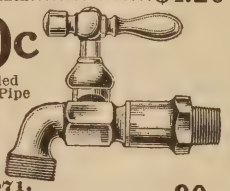
5-B-2975. Size, ½ inch.....**$1.00**
5-B-2977. Size, ⅝ inch.....**$1.25**

Fuller Pattern Hose Bibbs



$1.05 With Flange Threaded for Iron Pipe Nickel Plated.

5-B-2979. Size, ½ inch.....**$1.05**
5-B-2981. Size, ⅝ inch.....**$1.20**



90c Threaded for Iron Pipe Nickel Plated

5-B-2971. Size, ½ inch.....**90c**
5-B-2973. Size, ⅝ inch.....**$1.00**

Stop and Waste

"T" Handle Brass Stop and Waste for Lead Pipe.
5-B-3017.
½ inch.....**60c**
⅝ inch.....**85c**

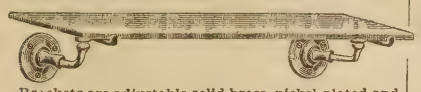
Hydrant Clamps

21-B-3029.

	Each
Size, ½ inch.....	**8c**
Size, ¾ inch.....	**9c**
Size, 1 inch.....	**10c**
Size, 1¼ inch.....	**11c**

Latest Bathroom Fixtures

Plate Glass Shelves



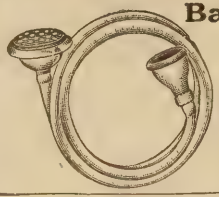
Brackets are adjustable solid brass, nickel-plated and highly polished. Plate glass shelf is polished and has rounded edges.

5-B-3027. Size of shelf, 18x5 inch. Price..... **$1.50**
5-B-3028. Size of shelf, 24x5 inches..... **1.80**

Brackets are made of solid cast brass, heavily nickel-plated and polished. The shelf is made of plate glass, polished, with rounded edges. The bar is of solid round glass, 1 inch diameter, and can be readily removed.

5-B-3031. Size of shelf, 18x5 inches. Price..... **$3.70**
5-B-3032. Size of shelf, 24x5 inches..... **4.00**
5-B-3033. Size of shelf, 30x5 inches..... **4.25**

Bath Spray



Rubber bound, brass, nickel plated spray, 3 inches diameter, with 5 feet pure white rubber tubing, with hold-fast rubber bulb.

5-C-3019. Price, each..... **90c**

Detachable Han Brush. The ideal thing for your bath room. Made of the highest class bristles and warranted to wear. Its construction is such that it will last a good many years.

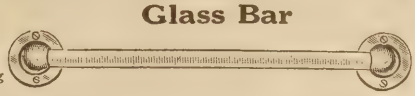
5-B-3201. Each..... **40c**

Towel Bars

Made of ½-inch brass tubing, heavily nickel-plated with cast posts, complete with screws. Each **75c**

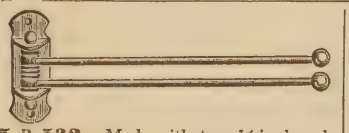
5-B-3085. 15 inches long..... **75c**
5-B-3087. 18 inches long..... **80c**
5-B-3089. 21 inches long..... **83c**
5-B-3091. 24 inches long..... **86c**

Glass Bar



Bar is made of clear ⅝ inch diameter. Posts are cast brass, heavily nickel-plated and complete with screws. Each

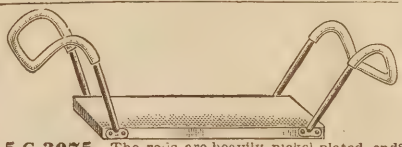
5-B-3061. 15 inches long..... **90c**
5-B-3062. 18 inches long..... **$1.00**
5-B-3063. 24 inches long..... **1.15**



5-B-532. Made with two ¼-inch rods 10 inches long. Price, each..... **95c**
5-B-533. Made with three ¼-inch rods 10 inches long. Price, each..... **$1.15**

5-C-3065. Tumbler Holders. Solid brass, heavily nickel-plated and highly polished. Complete, with screws. Price, each..... **60c**

5-C-3066. Tumbler and tooth brush holder combined. Solid brass, heavily nickel-plated and highly polished. Complete with screws. Price each..... **69c**



5-C-3075. The rods are heavily nickel-plated, ends are rubber covered to protect bath tub. The seat is of finished oak. Will fit any bath tub. Size, 18x6 in. Price, each..... **90c**
5-C-3025. Same as above, 5-coat white enamel finish. The handsomest Bath Seat made. Price, each..... **$1.00**

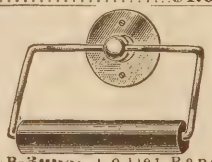
5-B-3041. Soap Dish. Made to fasten to wall. Solid brass, heavily nickel-plated and highly polished. Complete with screws. Price, each..... **55c**

98c

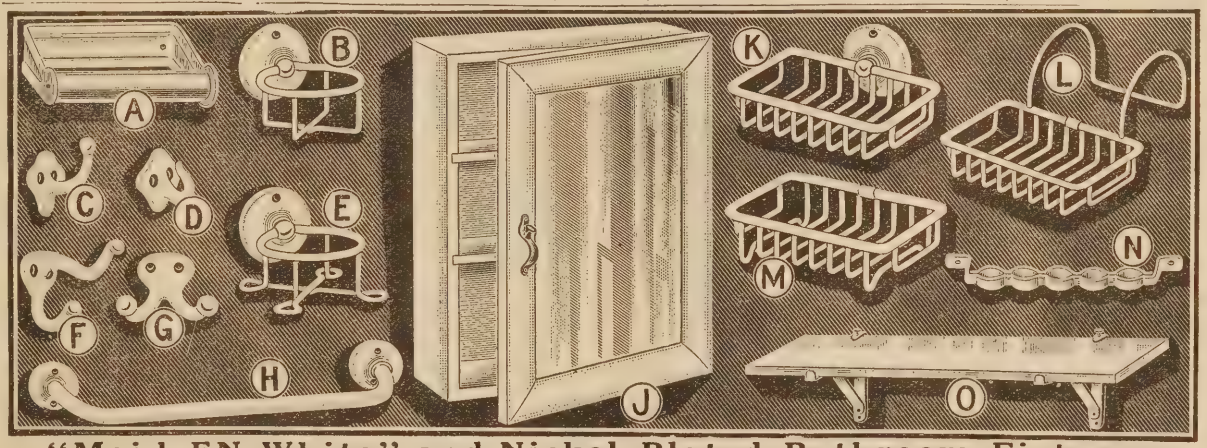
5-B-294. Door bumper and coat hook made of cast brass; nickel plated. 4 in. long. Price, each..... **98c**

5-B-291. Water bag hook made of cast brass. Nickel-plated. 5 inches long. Price, each..... **70c**

5-B-3035. Whisk broom holder. Made of brass, heavily nickel-plated, highly polished, and complete with Screws. Price, each..... **30c**



5-B-3000. Toilet Paper Holder. Made of brass, heavily nickel-plated and highly polished, with ebony roller. Price, each..... **22c**



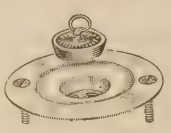
"Maid-EN-White" and Nickel-Plated Bathroom Fixtures

Made of heavy weight material, beautifully designed and smoothly finished. Nickel-plated fittings are guaranteed not to peel or tarnish. The white enameled fittings are guaranteed not to crack, peel or discolor. By a special process, the parts used in the construction of these fittings are joined together by expanding the metal so that the entire piece is practically one. No solder is used on these fixtures. All "Maid-EN-White" fixtures requiring screws are furnished with white enameled screws; nickel-plated fixtures with nickel-plated screws.

Item		White Enam'l'd	Nickel Plated
"A"	Toilet Paper Holder.....	$0.55	$0.30
"B"	Tumbler Holder.....	.57	.30
"C"	Single Robe Hook.....	.25	.10
"D"	Razor Strap Hook.....	.25	.10
"E"	Tooth Brush and Tumbler Holder.....	.70	.40
"F"	Double Robe Hook.....	.25	.15
"G"	Twin Robe Hook.....	.25	.15
"H"	One-Piece Towel Bars, 18" long.....	.95	.65
"H"	One-Piece Towel Bars, 24" long	1.15	.80
"H"	One-Piece Towel Bars, 30" long	1.50	1.00
"K"	Wall Soap Dish, 4¾x3¼x1¾, Medium Size.....	.85	.50
"K"	Wall Soap Dish, 5½x 1¼, Large Size.....	.90	.60
"J"	Wood Medicine Cabinet 15½ inches high; 11½ inches wide. White enameled French plate mirror...	$4.00	
"L"	Bathtub Soap Dish, 4¾x3¼x1¼, Medium Size...	.65	$0.55
"L"	Bathtub Soap Dish, 5½x4x1¼, Large Size.....	.85	.65
"M"	Stand Soap Dish, 4¾x3¼x1¼, Medium Size.....	.45	.25
"M"	Stand Soap Dish, 5½x4x1¼, Large Size.....	.63	.40
"N"	Tooth Brush Holder.....	.32	.15
"O"	Milk White Glass Shelf, 5" wide, ¼" thick, edges rounded and polished, enameled brackets. 18" long.....	$2.30	
"O"	Milk White Glass Shelf, 5" wide, ¼" thick, edges rounded and polished, enameled brackets. 24" long.....	$2.50	
"O"	Milk White Glass Shelf, 5" wide, ¼" thick, edges rounded and polished, enameled brackets. 30" long.....	$2.85	
"O"	Crystal Glass Shelf, 5" wide, ¼" thick, edges rounded and polished, nickel-plated brackets. 18" long.....	$1.10	
"O"	Crystal Glass Shelf, 5" wide, ¼" thick, edges rounded and polished, nickel-plated brackets. 24" long.....	$1.25	
"O"	Crystal Glass Shelf, 5" wide, ¼" thick, edges rounded and polished, nickel-plated brackets. 30" long.....	$1.50	

General Plumbing Accessories

Sink Plugs



5-B-1729. Furnished complete as illustrated, nickel-plated. Each.. **25c**

Sink Brackets

5-B-1723. Black Japanned steel sink bracket of neat design, strong and substantial.
For sinks 18 ins. and 16 ins., per pair **60c**
For sinks 20 ins. and larger, per pair..... **75c**

Force Cups

5-B-3033. Used to force obstruction from closets, lavatories and sinks. Place the rubber cup over the opening and press down; this will form a suction and remove almost any obstruction, saving a plumber's bill which will easily pay for the force cup many times over. Without handle.
Price, each..... **35c**

Low Tank Closet Valves

5-B-1300. High grade pure rubber low tank closet valves. Choice of three sizes. Replace your leaky valve and water you are now wasting. They are quickly and easily replaced. Shipping weight about 6 ounces.

2 inch. Price..... **20c**
2½ inch. Price..... **24c**
2¾ inch. Price..... **30c**

Rubber Fuller Balls

5-B-1302. Rubber Balls for Fuller bibbs. Sizes for bibbs, ½, ⅝. State size wanted and whether for hot or cold water. Shipping weight, 2 balls, about 2 ounces.
Price for 2 balls..... **5c**

Combination Ferrules

Lead and Iron
5-C-2817.

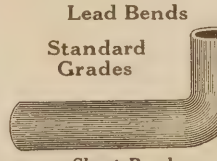
		Length, inches. 6	12
1¼x2 ins.	Price, ea..	$0.45	$0.70
1½x2 ins.	Price, ea..	.47	.72
2 ins.	Price, ea..	.50	.80
4 ins.	Price, ea..	.90	1.50

Brass Ferrules

Used in connecting lead waste pipe to soil pipe.
5-B-2843. 4x4 ins. Each.. **60c**

Lead Bends

Standard Grades



Short Bends.
5-C-2831. 4x12. Each **$1.80**
Long Bends
5-C-2837. 4x18. Each **$2.40**

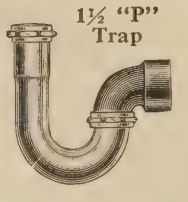
Lead and Brass Traps

Lead "S" Trap.

Short Lead "S" Traps with iron pipe connections on outlet end.

5-C-2857. 1¼ ins. Price, each..... **$1.10**
5-C-2859. 1½ ins. Price, each..... **$1.45**

1½ "P" Trap



No. 5-B-2704. Nickel Plated Brass "P" Trap Fitted with 1½ inch adjustable lock nut and 1½ inch cast brass elbow threaded for iron pipe connection. Shipping weight about 12 ounces.
Price, each..... **$1.35**

Lead "S" Trap.

Short Lead "S" Traps, plain ends in two standard sizes.

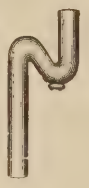
5-C-2851. 1¼ ins. Each..... **60c**
5-C-2853. 1½ ins. Each..... **95c**

Long Lead "S" Traps, with iron pipe connection on outlet end.

5-C-2871. 1¼ ins. Price, each..... **$1.50**
5-C-2873. 1½ ins. Price, each..... **$1.90**

Long Lead "S" Traps, with plain ends. Two standard sizes.

5-C-2863. 1¼ ins. Price, each..... **$1.00**
5-C-2865. 1½ ins. Price, each..... **$1.40**



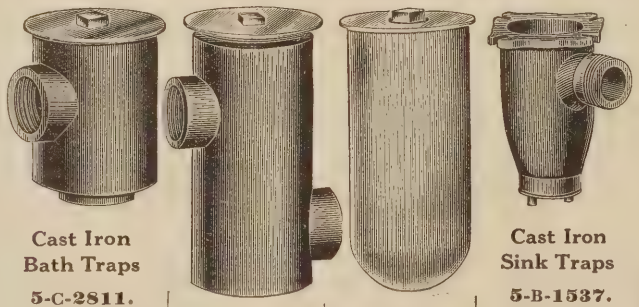
Half "S" or "P" Traps, with iron pipe connection on outlet end.

5-C-2887. 1¼ ins. Price, each..... **$1.05**
5-C-2889. 1½ ins. Price, each..... **$1.30**

Half "S" or "P" Lead Traps, in two standard sizes.

5-C-2879. 1¼ ins. Price, each..... **55c**
5-C-2881. 1½ ins. Price, each..... **80c**

Iron and Lead Traps



Cast Iron Bath Traps

5-C-2811.

Complete with Nickel plated covers for sinks, laundry tubs, bath tubs, etc. Tapped side and bottom for 1½ in. iron pipe.
4x5x1½ ins.... **95c**

5-C-1532.

Size, 4x8 ins. Tapped both sides for 1½ in. pipe. Ship. wt. about 15¼ lbs.
Price..... **$1.15**

Lead Drum Traps.

5-C-2815.

With nickel plated brass trap screw, size 4 x 9 inches.
Each..... **$2.50**

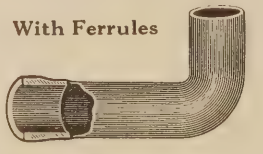
Cast Iron Sink Traps

5-B-1537.

Cast iron with brass cleanout plug connected direct to sink with bolts. Tapped for 1¼ in. pipe connection. Ship. wt. about 4½ lbs.
Price..... **85c**

Lead Bends

With Ferrules



Width, 5½ inches, Inlet.
5-C-2819. 4x12. Each... **$2.30**
5-C-2821. 4x14. Each... **$2.40**
5-C-2825. 4x18. Each... **$3.00**

Closet Bends

Cast Iron

5-C-2839. Adjustable Flange Closet Bend. Size, 4x15 inches. Tapped both sides for 1½ inch iron pipe. Shipping weight about 18 lbs.
Price..... **$1.30**

5-C-2839⅜. Plain Bend, 4x15 ins., not tapped. Price..... **$1.05**

Sink Strainers

5-B-1727. Nickel-plated sink strainers.
Each.. **15c**

Sink Couplings

Illustration at left shows sink couplings for lead pipe connections.

Illustration at right shows sink couplings for iron pipe connections

5-B-1737. Cast Iron coupling for lead pipe connections... **6c**

5-B-2739. Cast iron couplings for 1¼ inch and 1½ inch iron pipe connections. Each..... **20c**

Bath Tub Plugs

5-B-3143. Heavily nickel plated for lead pipe. Price..... **$1.25**

5-B-3144. Heavily nickel plated for iron pipe. Price..... **$1.50**

Sink Bolts

5-B-1733. Screw head bolts for cast iron sinks.

Each..... **2c**

Brass Soldering Union

5-B-2905. Used to connect lead with iron.

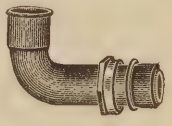
Size, inches...	⅜	½	¾	1
Price, each...	15c	20c	25c	33c
Size, inches.....	1¼	1½	2	
Price, each.....	43c	49c	60c	

Brass Soldering Nipple

5-B-2903. Used to connect lead with iron pipe.

Size, inches.....	½	¾	1
Price, each.....	14c	20c	27c
Size, inches.....	1¼	1½	2
Price, each.....	35c	50c	68c

Rubber Extension Elbows



5-C-2901. Used to connect flush pipe with closet bowl, can be applied by anyone. Saves plumber's bills. Adjustable from 3¼ to 5¼ inches from end of coupling to center of elbow.

Size, inches..... 1¼
Price, each..... 25c

GUARANTEED SOIL PIPE AND FITTINGS

Cast Iron

SINGLE HUB SOIL PIPE

No. 5-C-2301. 2 in. Std. single hub.....90c
No. 5-C-2303. 2 in. Ex. Hvy single hub..$1.20
No. 5-C-2305. 4 in. Std. single hub.....1.55
No. 5-C-2307. 4 in. Ex. Hvy. single hub ...2.50

Please Read!

Every length of soil pipe is thoroughly tested and fully guaranteed. Comes to you in 5 ft. lengths only.

DOUBLE HUB SOIL PIPE

No. 5-C-2302. 2 in. Std. double hub.....95c
No. 5-C-2304. 2 in. Ex. Hvy. double hub $1.25
No. 5-C-2306. 4 in. Std. double hub.....1.65
No. 5-C-2308. 4 in. Ex. Hvy. double hub...2.60

QUARTER BENDS

No. 5-C-2309. 2 in., Standard.....30c
No. 5-C-2311. 2 in., Ex. Hvy.....41c
No. 5-C-2313. 4 in., Standard.....52c
No. 5-C-2315. 4-in., Ex. Hvy..63c

QUARTER BENDS—SIDE INLET—RIGHT OR LEFT HAND

No. 5-C-2317. 4 in., Std., 2 in. inlet.....92c
No. 5-C-2319. 4 in., Ex. Hvy., 2 in. inlet.$1.15
Cut shows right side inlet

QUARTER BENDS—HEEL INLET

No. 5-C-2325. 4 in. Std., 2 in. inlet.....92c
No. 5-C-2327. 4 in., Ex. Hvy.,2" inlet.$1.15

QUARTER BENDS—DOUBLE HUB

No. 5-C-2333. 4 in. standard.....90c
No. 5-C-2335. 4 in., Ex. Hvy.....$1.04

LONG QUARTER BENDS

No. 5-C-2341. 4x18 in. Std.....$1.12
No. 5-C-2343. 4x18 in., Ex. Hvy.....$1.38

SIXTH BENDS

No. 5-C-2345. 2 in. Standard.....30c
No. 5-C-2347. 2 in., Ex. Hvy.....33c
No. 5-C-2348. 4-in., Standard.....44c
No. 5-C-2349. 4-in., Ex. Hvy.55c

EIGHTH BENDS

No. 5-C-2350. 2 in., Standard.....26c
No. 5-C-2351. 2 in., Ex. Hvy.....30c
No. 5-C-2353. 4 in., Standard.....44c
No. 5-C-2355. 4 in., Ex. Hvy.55c

"T" BRANCHES

No. 5-C-2357. 2x2 Standard.....40c
No. 5-C-2359. 2x2 Ex. Hvy.....56c
No. 5-C-2360. 4x2 Standard.....63c
No. 5-C-2361. 4x2 Ex. Hvy.....82c
No. 5-C-2363. 4x4 Standard..86c
No. 5-C-2365. 4x4 Ex. Hvy.$1.04

SANITARY "T" BRANCHES

No. 5-C-2367. 2x2 Standard.....41c
No. 5-C-2369. 2x2 Ex. Hvy.....56c
No. 5-C-2371. 4x2 Standard.....63c
No. 5-C-2373. 4x2 Ex. Hvy..81c
No. 5-C-2375. 4x4 Standard..83c
No. 5-C-2377. 4x4 Ex. Hvy.$1.04

SANITARY "T" BRANCH

With Side Inlet Tapped 1½ in. for Iron Pipe, Right or Left Hand.
No. 5-C-2379. 4x4 in., tapped 1½ in., Std...$1.78
No. 5-C-2381. 4x4 in., tapped 1½ in., Ex. Heavy.....$1.97

VENTILATING BRANCHES WITH SIDE INLET

No. 5-C-2569. 4 x 2 Standard.....$1.04
No. 5-C-2571. 4 x 2 Ex. Hvy.....$1.52

SANITARY "T" BRANCH WITH SIDE INLET—RIGHT OR LEFT HAND

Cut shows L. H. Inlet.
No. 5-C-2383. 4x4, with 2 in. inlet, St.....$1.58
No. 5-C-2385. 4x4, with 2 in. inlet, Ex. Hvy.....$1.77

SANITARY "T" BRANCH TAPPED FOR IRON PIPE

No. 5-C-2407. 2 x 1½ Standard.....56c
No. 5-C-2409. 2x1½ Ex. Hvy.....67c
No. 5-C-2411. 2x2 Standard.....56c
No. 5-C-2413. 2x2 Ex. Hvy.....67c
No. 5-C-2415. 4x1¼ Standard.....93c
No. 5-C-2417. 4x1¼ Extra Heavy.....$1.25
No. 5-C-2419. 4x1½ Standard.....93c
No. 5-C-2421. 4x1½ Extra Heavy.....$1.25
No. 5-C-2423. 4x2 Standard.....93c
No. 5-C-2425. 4x2 Extra Heavy.....$1.25

"T" BRANCH WITH HAND HOLE FOR CLEAN OUT

No. 5-C-2431. 4 in., Standard.....$1.47
No. 5-C-2433. 4 in., Ex. Hvy.....$1.70

CROSSES

No. 5-C-2439. 4 x 4 Standard.....$1.33
No. 5-C-2441. 4 x 4 Ex. Hvy.....$1.60

SANITARY CROSSES

No. 5-C-2447. 4x2 Standard.....$1.33
No. 5-C-2449. 4x2 Ex. Hvy.....$1.60
No. 5-C-2451. 4x4 Standard.....$1.33
No. 5-C-2453. 4x4 Ex. Hvy.....$1.60

TAPPED CROSSES

Side Opening for Standard Iron Pipe

No. 5-C-2459. 2x1½ Standard.....86c
No. 5-C-2461. 2x1½ Ex. Hvy.....$1.04
No. 5-C-2463. 2x2 Standard.....86c
No. 5-C-2465. 2x2 Extra Heavy.....$1.04
No. 5-C-2471. 4x1½ Standard.....$1.04
No. 5-C-2473. 4x1½ Ex. Hvy.....$1.36
No. 5-C-2475. 4x2 Standard.....$1.04
No. 5-C-2477. 4x2 Extra Heavy.....$1.36

SANITARY CROSSES TAPPED FOR STANDARD IRON PIPE

No. 5-C-2483. 2 x 1½ Standard.....93c
No. 5-C-2485. 2 x 1½ Ex. Hvy.....$1.15
No. 5-C-2487. 2 x 2 Standard.....93c
No. 5-C-2489. 2x2 Ex. Hvy.....$1.15
No. 5-C-2495. 4x1½ Standard.....$1.30
No. 5-C-2497. 4x1½ Ex. Hvy.....$1.58
No. 5-C-2499. 4x2 Standard.....$1.30
No. 5-C-2501. 4x2 Extra Heavy.....$1.58

"S" TRAPS WITH HAND HOLE AND COVER

No. 5-C-2689. 4 in. Std.....$1.73
No. 5-C-2691. 4 in. Ex. Hvy..$2.29

SIDE OPENING BRANCHES TAPPED FOR IRON PIPE

No. 5-C-2387. 2 x 1½ Standard.....52c
No. 5-C-2389. 2 x 1½ Ex. Hvy.....63c
No. 5-C-2391. 2 x 2 Standard.....52c
No. 5-C-2393. 2 x 2 Ex. Heavy.....63c
No. 5-C-2395. 4 x 1¼ Standard.....75c
No. 5-C-2397. 4 x 1¼ Ex. Hvy.....93c
No. 5-C-2399. 4 x 1½ Standard.....75c
No. 5-C-2401. 4 x 1½ Ex. Hvy.....93c
No. 5-C-2403. 4 x 2 Standard.....75c
No. 5-C-2405. 4 x 2 Ex. Hvy.....93c

"Y" BRANCHES

No. 5-C-2502. 2 x 2 Standard.....41c
No. 5-C-2503. 2 x 2 Ex. Hvy.....55c
No. 5-C-2504. 4 x 2 Standard.....63c
No. 5-C-2505. 4 x 2 Ex. Hvy.....81c
No. 5-C-2506. 4 x 4 Std.....86c
No. 5-C-2507. 4 x 4 Ex. Hvy.....$1.04

OFF-SETS

No. 5-C-2539. 2 x 12 Standard.....86c
No. 5-C-2541. 2 x 12 Ex. Hvy.....$1.04
No. 5-C-2543. 4 x 4 Standard.....72c
No. 5-C-2545. 4 x 4 Extra Heavy.....93c
No. 5-C-2547. 4 x 6 Standard.....81c
No. 5-C-2549. 4 x 6 Extra Heavy.....$1.04
No. 5-C-2561. 4 x 12 Standard.....$1.19
No. 5-C-2563. 4 x 12 Extra Heavy.....$1.48

VENTILATING CAPS

No. 5-C-2599. 4 x 6 Standard.....67c
No. 5-C-2601. 4 x 6 Ex. Hvy.....81c
No. 5-C-2603. 4 x 12 Standard.....$1.33
No. 5-C-2605. 4 x 12 Ex. Hvy.....$1.94

PIPE RESTS

No. 5-C-2625. 2 in. Standard.22c
No. 5-C-2627. 2 in. Ex. Hvy..29c
No. 5-C-2629. 4 in. Standard.30c
No. 5-C-2631. 4 in. Ex. Hvy..32c

ADJUSTABLE ROOF FLANGE

Made of Galvanized Iron—will fit any pitch.

No. 5-C-1085. 1½ in.....90c
No. 5-C-1087. 1½ in.....90c
No. 5-C-1089. 2 in.....$1.00
No. 5-C-1091. 4 in.....$1.20
No. 5-C-1091½. 5 in.....$1.70

TAPPED INCREASERS—SMALL OPENING TAPPED FOR STANDARD PIPE

No. 5-C-2573. 1½ to 4 in. Standard.....$1.12
No. 5-C-2575. 1½ to 4 in. Ex. Hvy.....$1.37
No. 5-C-2577. 2 to 4 in. Standard.....$1.12
No. 5-C-2579. 2 to 4 inch Ex. Hvy.....$1.37

REDUCERS

No. 5-C-2581. 4 to 2 in. Standard.....30c
No. 5-C-2583. 4 to 2 in. Ex. Hvy.....32c

DOUBLE HUBS

No. 5-C-2585. 2 inch Standard.....30c
No. 5-C-2587. 2 in. Ex. Hvy.....33c
No. 5-C-2589. 4 inch Standard.....45c
No. 5-C-2590. 4 in. Ex. Hvy.....56c

"S" TRAPS

No. 5-C-2634. 4 in. Standard.$1.12
No. 5-C-2635. 4 in. Ex. Hvy..$1.38

HALF "S" TRAPS

No. 5-C-2645. 2 in. Standard....67c
No. 5-C-2647. 2 in. Ex. Hvy.....81c
No. 5-C-2649. 4 in. Standard.....$1.12
No. 5-C-2651. 4 in. Extra Heavy.....$1.38

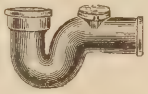
RUNNING TRAPS

No. 5-C-2657. 4 in. Std...$1.12
No. 5-C-2659. 4 in. Ex. Hvy. $1.38

ROOF PLATES

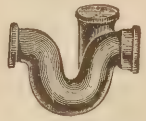
No. 5-C-2607. 4 in. Standard....56c
No. 5-C-2609. 4 in. Ex. Hvy...67c

HALF "S" TRAPS WITH HAND HOLE AND COVER



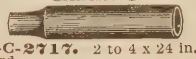
No. 5-C-2713 4 in. Std...$1.73
No. 5-C-2715. 4 in. Ex. Hvy. $2.30

RUNNING TRAPS WITH HAND HOLE AND COVER



No. 5-C-2745. 4 in. Std...$1.73
No. 5-C-2747. 4 in. Ex. Hvy $2.30

ONG INCREASERS FOR CALKING



No. 5-C-2717. 2 to 4 x 24 in. long Standard.....93c
No. 5-C-2719. 2 to 4 x 24 in. long. Ex. Hvy.....$1.15.
No. 5-C-2737. 4 to 5 in., 30 in. long. Standard.....$1.48
No. 5-C-2739. 4 to 5 in., 30 in. long, Ex. Hvy.....$1.80

LONG INCREASERS TAPPED FOR IRON PIPE

No. 5-C-2723. 4x24 tapped 2 in Standard.....$1.65
No. 5-C-2727. 4x24 tapped 2 in. Ex. Hvy.....$2.00

CLEAN OUT PLUGS

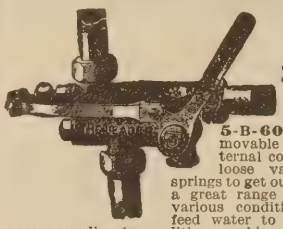
Iron Ferrule with Brass Trap Screw.
No. 5-C-2759. 2 in.....27c
No. 5-C-2761. 4 in.....43c

CAST IRON CESSPOOLS WITH BELL TRAPS

5-C-2753. 6x6.....50c
5-C-2755. 9x9.....70c
5-C-2757. 12x12..$1.20

INJECTORS AND LUBRICATORS

Leader Injector



$6.70

5-B-6002. Has no movable parts n its internal construction. No loose valves, rings or springs to get out of order. Has a great range of work under various conditions. It heats feed water to 200 degrees or more, according to conditions, making it very efficient, and by feeding through a closed "heater," eff ciency is unequalled.

No. of Inj.	Size of pipes. Steam Pipe	Suction & feed	Horse Power of Boiler Will Feed	Gallons per hour 60 lbs. Steam	Price Each
1	⅜	⅜	3 to 7	60	$ 6.70
2	⅜	⅜	7 to 10	90	7.55
3	½	½	12 to 18	150	9.20
4	½	½	18 to 25	220	10.50
5	¾	¾	25 to 35	300	12.60
6	¾	¾	35 to 45	400	14.70
7	¾	1	45 to 60	500	16.80
8	¾	1	60 to 70	600	18.90
9	1	1¼	70 to 90	750	23.10
10	1	1¼	100 to 125	1000	27.30

Chicago Automatic Injector

5-B-6008. Simplest automatic injector. Consists of three tubes, a body or shell and one check valve and bushing, held to place by screw thread joints and cannot drop out and become lost. The steam jet and forcing tube may be removed by monkey wrench and cleaned without breaking any pipe joints or removing injector from boiler.

Will start low from 15 to 20 lbs. steam pressure on 4 ft. lift and will work high from 135 to 145 lbs. steam pressure or on a 20 to 22 ft. lift with a 60 to 90 lb. steam pressure. Will work water 120 to 125 degrees hot.

Size	Pipe con. Inches	Cap. per Hour Max.	H.P. based on Ordinary Tub. Boiler	Price
No. 00.....	⅜	80	4 to 11	$ 4.20
No. 0.....	½	135	10 to 19	4.75
No. 1.....	½	180	15 to 24	5.25
No. 2.....	¾	260	18 to 34	6.55
No. 3.....	¾	355	20 to 47	7.65
No. 4.....	1	475	40 to 64	10.50
No. 5.....	1	600	45 to 80	11.85
No. 6.....	1¼	800	55 to 106	15.55

Brass Steam Whistles

5-B-6535.

Made of high grade steam metal and furnished complete with spring va ves.

Diam. of Bell.	Size of Pipe con nection	Price
1	¼	$2.65
1¼	⅜	3.25
1½	⅜	3.45
2	¾	4.70
2½	¾	5.75
3	1	7.25
3½	1	9.75
4	1¼	12.60

Water Gauges

5-B-9501. With brass body, iron wheels, two guards to protect glass tube.

Size Ins.	Glass Ins.	Price Each
⅜	⅜x10	$1.60
½	⅜x12	1.75
¾	¾x16	2.65

Scotch Glass Tubes for Water Gauges

5-B-9525.

Length, Ins.	Price, Doz. ½ Ins.	Price, Doz. ⅝ Ins.	Price, Doz. ¾ Ins.
10	$1.15	$1.17	$1.36
11	1.21	1.23	1.50
12	1.35	1.37	1.62
13	1.44	1.46	1.80
14	1.58	1.60	1.94
15	1.67	1.70	2.07

Polished Brass Oil Cups

5-B-6019. High grade oil cups, made of brass nicely polished.

Diam. of Body	Pipe, Size, Inches	Price Each
¾	⅛	$0.25
1	¼	.30
1¼	¼	.45
1½	⅜	.75
2	½	1.20

Plain Brass Grease Cups

5-B-6021.

Size	Inside Dia., Inches	Shank Thread	Grease Ozs.	Price Each
00	1	⅛	⅛	$0.35
0	1¼	¼	⅜	.45
1	1½	¼	1	57
2	2	⅜	2	.75
3	2½	½	3½	1.10
4	3	½	5	1.45

Automatic Grease Cups for Bearings of All Kinds

5-B-6602.

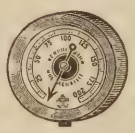
Size	Inside Dia., Inches	Shank Pipe Thread	Cap (Grease) Ozs.	Price Each
00	⅞	⅛	⅛	$0.90
0	1¼	¼	1	1.15
1	1½	¼	1½	1.45
2	2	⅜	3	1.85
3	2½	½	6	2.45

Sight-feed Snap Lever Glass Oil Cups

5-B-6601. We wish to call your particular attention to the fact that it is not necessary to adjust the feed each time, it being so constructed that when the desired feed is once set it can be stopped and started at will without resetting. This particular feature will save much trouble and annoyance.

Size	Outside Dia. o Glass	Height of Glass	Capacity, Ounces	Shank Pipe, Thread	Brass finish, Price, each
0	1¼	1⅛	⅝	⅛	$1.15
1	1½	1⅜	1	¼	1.25
1½	1¾	1⅝	1½	¼	1.30
2	2	1⅞	2½	⅜	1.40
3	2¼	2⅛	4	⅜	1.65
4	2½	2⅜	5	⅜	2.00
5	3	3	10	½	2.75

Steam Gauges



5-B-9511. Japanned iron case brass ring, complete with cock. They should not be used on traction or portab e rigs. Always use a syphon with all steam gauges. These gauges register up to 30 lbs for low pressure and up to 200 lbs for high pressure. Give pres ure wanted when ordering.

Size dials, inches.....	3½	4½
Price, each.....	$2.10	$2.25

Rubber Gauge Glass Washers

5-B-9523.

	Price per doz.
For ½ inch gauge glass.....	$0.15
For ⅝ inch gauge glass.....	.18
For ¾ inch gauge glass.....	.20

Chicago Double Connection Sight Feed Lubricator FOR STATIONARY ENGINES

5-B-6011. The condenser valve is a separate piece and not part of the body, thus insuring ease of cleaning and small cost for repairs. It is provided with an ample heating chamber, which insures the oil remaining fluid even when exposed to the most severe weather. The lower feed iron is provided with a drain stem by which the sight glass may be blown out and cleaned without removing from ubricator. Each lubricator s subjected to a rigid test before leaving the factory and guaranteed to work perfectly if connected and operated properly.

Size	For Cylinder inches	Pipe Thread on pipe arm	Price Brass Finish
⅛ pt.	under 10	⅛ inch	$ 8.00
½ pt	10 to 12	⅛ inch	8.20
1 pt.	12 to 18	⅛ inch	10.20
1 qt	18 to 30	⅛ inch	12.40
½ gal	30 and over	¾ inch	19.00

Standard Cylinder Lubricator

5-B-6017. Made of the best steam metal, wood handles, and intended for those who desire a cheap, reliable lubricator.

No.	Dia., Thread	Size Ins.,	Price Each
1	1½	⅜	$1.80
2	1¾	½	1.90
3	2	½	2.10
4	2½	½	2.30
5	2¼	½	2.75
6	3	¾	3.45

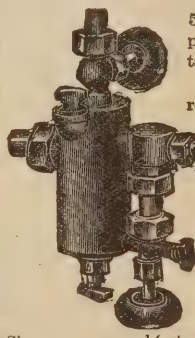
Sight Feed Single Connection Lubricator

5-B-6013. For stationary and traction engines, steam pumps, air compressors, and all classes of steam cylinders.

This lubricator will feed the heaviest oils even when exposed to the severest weather and when once adjusted will feed regularly down to the last drop. The steam can be shut off from all parts of the lubricator and any part be repaired, or valve replaced, without stopping engine or shutting off pressure from steam pipe.

Size	¼ pt.	½ pt.	½ pt.	1 pt.	1 qt.
Pipe thread, in...	½	½	½	½	½
Price, each.....	$7.00	$7.20	$8.60	$9.80	$11.60

Double Connection Sight Feed Lubricator



5-B-6015. For steam pumps, stationary and portable engines.

This is a medium priced, reliable lubricator for use on steam pumps and stationary engines which are exposed to the cold, and possesses all the advantages and features as contained in the Chicago single connection lubricator of the same style.

Size	¼ pt.	½ pt.	½ pt.	1 pt.	1 qt.
Pipe thread, in.,	½	½	½	½	½
Price, each.....	$6.80	$7.00	$7.40	$9.60	$11.40

Black Wrought Steel Pipe Galvanized

New Black and Galvanized Pipe

6-B-1. Brand new black and galvanized wrought steel pipe, fully tested and guaranteed. Best quality made, easily cut and threaded. Comes in standard full lengths ranging from 18 to 21 feet; each length threaded on both ends fitted with coupling on one end. Prices below are for full lengths only as it comes from the mill and are based on latest market prices. All prices shown are for quantities up to 1,000 feet. Ask for special prices on larger quantities. Freight prepaid prices quoted on request.
Size of pipe determined by its inside diameter.

Inside Diameter Inches	Outside Diam. inches.	Weight, Per ft., Lbs.	Price, Per ft., Black	Price, Per ft., Galv.
Three-eighths	0.67	0.56	$0.04½	$0.06½
One-half	0.84	0.85	.05½	.07½
Three-quarters	1.05	1.13	.07	.09
One	1.31	1.68	.10	.12½
One and one-quarter	1.66	2.28	.13½	.17
One and one-half	1.9	2.73	.16	.20
Two	2.37	3.67	.22	.27
Two and one-half	2.87	5.81	.34	.43
Three	3.5	7.61	.44	.56
Three and one-half	4.	9.20	.56	.71
Four	4.5	10.88	.67	.85
Four and one-half	5.	12.64	.78	
Five	5.56	14.81	.91	
Six	6.62	19.18	1.18	

We can furnish all sizes to up 12 inches. Write for prices on larger sizes.

Boiler Tubes for Retubing Purposes

6-B-9. Carefully selected over-hauled boiler tubes guaranteed satisfactory for retubing boilers of every kind. All tubes tested and inspected before shipment. Orders are accepted with the understanding that unsatisfactory boiler tubes can be returned to us, upon inspection we will cheerfully exchange them for other tubes or return your money. These tubes are cut to lengths, they have square ends and are perfectly straight.

Outside Diam., ins.	Inside Diam., ins.	Wt., per ft.	Price, per ft.
Two	1.81	1.93	$0.08
Two and one-quarter	2.06	2.18	.12
Three	2.78	3.36	.15
Three and one-quarter	3.01	4.01	.16
Three and one-half	3.26	4.33	.17
Four	3.73	5.53	.18

Overhauled Black Pipe

6-B-5. Used pipe carefully over-hauled and selected for steam, water, gas, oil, railing and general purposes. Always a big stock on hand which comes to us in connection with our big purchases of complete plants and dismantling contracts. Ends are carefully cut off, properly threaded where necessary and supplied with good couplings. Painted with good asphalt paint before shipment. All pipe straight and free from defects. Random lengths. Prices are for quantities up to 1,000 feet. Freight prepaid prices on request. Write for special prices on larger quantities.

Inside Diameter, ins.	Outside Diam. Inches	Wt., per ft., lbs.	Price, per ft., Black
Three-eighths	0.67	0.56	$0.02
One-half	0.84	0.85	.03
Three-quarters	1.05	1.13	.04
One	1.31	1.68	.06
One and one-quarter	1.66	2.28	.08
One and one-half	1.9	2.73	.09
Two	2.37	3.67	.11
Two and one-half	2.87	5.81	.17
Three	3.5	7.61	.26
Three and one-half	4.	9.20	.30
Four	4.5	10.88	.40
Four and one-half	5.	12.64	.45
Five	5.56	14.81	.50
Six	6.62	19.18	.75
Seven	7.62	23.76	.90
Eight	8.62	28.80	.95

Prices on larger sizes on application.

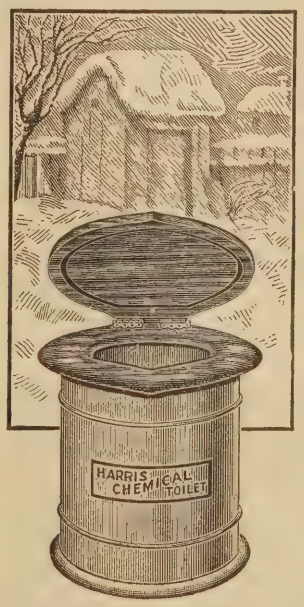
Pipe at Government Cantonment Camp

Our recent purchases of numerous big Army Camps enable us to offer you an excellent grade of black and galvanized Wrought Steel slightly used pipe. Also a large stock of Wood Stave Pipe, Steel Culvert Pipe, and Cast Iron Pipe in various sizes. This pipe has all been carefully selected and put in first-class condition. We have pipe on hand at

CAMP JACKSON

If interested in any pipe from these Camps, kindly send us a list of your requirements. We will be pleased to submit prices.

All Pipe Prices Above Are Subject to Market Changes and Stock on Hand



It has replaced the dangerous outhouse in thousands of homes.

Chemical Indoor Toilet

Better than Any Other **$6.95** Try It for 30 Days

We Guarantee The Harris Chemical Indoor Closet to be the most efficient toilet of its kind—absolutely odorless and sanitary, exactly as described on this page.
HARRIS BROTHERS CO.

Gives You the Convenience of the Modern Toilet!

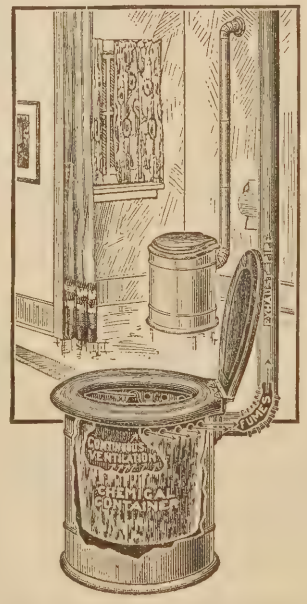
Protect your family against the dangers and inconvenience of the outdoor privy—eliminate forever the breeding place of flies and contagious disease germs. A clean, sanitary method of sewage disposal—a modern toilet easily within the reach of everyone now.

The Harris Chemical Indoor Closet is fitted with the regular shaped closet seat and cover highly finished in birch mahogany. The base and frame work of the outer casing are made of solid cast metal. The outer casing is made of rolled sheet steel, which, together with all other metal parts, including 9 feet of 3-inch exhaust pipe, are beautifully enameled in gray.

5-B-1816. Harris Chemical Indoor Closet, including two elbows, six lengths of 3-inch pipe, 12 inches long, wall collar, one pound of Harris guaranteed chemical disinfectant (about 6 months' supply), carefully packed in wood box..... **$6.95**

EXTRAS

Harris chemical disinfectant. Per gallon..... **$1.50**
Extra exhaust pipe, per 12-inch length..... **25c**
Roof saddles, each..... **75c**
Extra elbows, each..... **25c**
Chemical cannot be sent by parcel Post.



Gives you the comforts of Modern plumbing without the expense.

CAST IRON

FITTINGS

MALLEABLE

Tee.

Bushing.

Return Bend Closed.

45-deg. Elbow.

Nipple.

Union.

Side Opening Elbow.

Reducing Elbow.

Reducer.

Floor Plate

Cross.

Plug.

Reducing Tee.

Flange Union.

Elbow.

Street Elbow.

Lock Nut.

Return Bend Open

Cap.

Ceiling Plate.

Cast Iron Fittings

For Standard Wrought Iron Pipe are made of the best grade of material, carefully tapped, inspected before shipment, and guaranteed with uniform and perfect threads, suitable for a working pressure up to 125 lbs.; used on power plants, low pressure steam and hot water plants. In ordering fittings be sure and give the inside measurements of the pipe you will use the fittings with, as all pipe is listed by inside measurement only and fittings correspond. Give figure, number and price when ordering. Sizes not listed, furnished on application.

Size		½	¾	1	1¼	1½	2	2½	3	3½	4
No. 21-B-1.	Elbows, 90°	.05	.07	.09	.13	.17	.24	.41	.61	.83	1.00
No. 21-B-2.	Elbows, 45°	.06	.09	.10	.16	.20	.29	.50	.75	1.05	1.17
No. 21-B-3.	Elbows, Reducing	.06	.08	.10	.16	.19	.27	.50	.71	1.00	1.18
No. 21-B-4.	Elbows, R. & L.	.06	.08	.10	.16	.19	.27	.....	.....	.....	.....
No. 21-B-5.	Tees	.08	.10	.14	.19	.24	.34	.61	.91	1.26	1.47
No. 21-B-6.	Tees, Reducing	.08	.12	.14	.23	.28	.39	.70	1.05	1.47	1.68
No. 21-B-7.	Crosses	.13	.18	.23	.35	.45	.63	1.09	1.68	2.27	2.65
No. 21-B-8.	Crosses, Reducing	.15	.21	.25	.39	.50	.67	1.22	1.85	2.51	2.94
No. 21-B-9.	Plugs, Black	.02	.02	.03	.04	.07	.07	.15	.22	.30	.37
No. 21-B-10.	Plugs, Galvanized	.03	.05	.07	.09	.11	.17	.29	.42	.64	.69
No. 21-B-11.	Bushings, Black	.03	.05	.06	.07	.08	.10	.17	.25	.26	.42
No. 21-B-12.	Bushings, Galvanized	.06	.10	.12	.14	.16	.20	.34	.50	.52	.84
No. 21-B-13.	Caps, Black	.....	.....	.....	.....	.....	.....	.34	.45	.63	.73
No. 21-B-14.	Couplings, R. & L.	.12	.16	.21	.27	.32	.54	.....	.....	.....	.....
No. 21-B-15.	Couplings, Black	.07	.11	.14	.18	.23	.30	.43	.64	.86	1.07
No. 21-B-16.	Couplings, Galvanized	.11	.14	.19	.27	.34	.44	.59	.86	1 12	1.50
No. 21-B-17.	Flange, Unions	.32	.39	.44	.54	.66	.83	1.05	1.26	1.51	1.77
No. 21-B-18.	O. P. Return Bends	.17	.22	.25	.34	.46	.67	.....	.....	.....	.....
No. 21-B-19.	C. P Return Bends	.15	.17	.18	.24	.34	.48	.....	.....	.....	.....
No. 21-B-20.	Reducers	.....	.....	.....	.....	.....	.....	1.26	2.00	2.52	3.38
No. 21-B-21.	Nipples, Short, Black	.04	.05	.06	.08	.09	.13	.28	.34	.57	.65
No. 21-B-22.	Nipples, Long, Black	.05	.06	.09	.12	.14	.19	.42	.51	.80	.92
No. 21-B-23.	Nipples, Short, Galvanized	.05	.06	.08	.12	.15	.20	.41	.51	1.00	1.12
No. 21-B-24.	Nipples, Long, Galvanized	.09	.10	.14	.21	.26	.34	.63	.80	1.42	1.56
No. 21-B-25.	Nipples, R. & L., Black	.07	.09	.13	.16	.19	.26	.....	.....	.....	.....

Malleable Iron Fittings

For Standard Wrought Iron Pipe are made of the best grade of malleable iron, great care being used in the selection of material and their manufacture; all fittings are inspected and tested before shipment, guaranteed water, air and gas tight. Give figure, number and price when ordering.

Size		⅜	½	¾	1	1¼	1½	2
No. 21-B-26.	Elbows, Black	.05	.06	.07	.10	.17	.24	.36
No. 21-E-27.	Elbows, Galvanized	.07	.09	.10	.15	.26	.37	.55
No. 21-B-28.	Elbows, Reducing, Galvanized	.06	.08	.13	.16	.21	.32	.48
No. 21-B-29.	Elbows, 45°, Galvanized	.05	.06	.09	.12	.20	.37	.66
No. 21-B-30.	Elbows, 45°, Black	.04	.05	.09	.12	.21	.28	.48
No. 21-B-31.	Elbows, Street, Black	.04	.08	.10	.11	.17	.23	.44
No. 21-B-32.	Elbows, Street, Galvanized	.06	.10	.13	.17	.27	.35	.61
No. 21-B-33.	Tees, Black	.05	.08	.09	.12	.22	.27	.46
No. 21-B-34.	Tees, Galvanized	.08	.11	.12	.19	.33	.43	.70
No. 21-B-35.	Tees, Reducing, Galvanized	.08	.11	.15	.20	.35	.45	.65
No. 21-B-36.	Crosses, Galvanized	.09	.14	.22	.33	.38	.48	.87
No. 21-B-37.	Reducers, Galvanized	.04	.05	.09	.14	.16	.22	.37
No. 21-B-38.	Caps, Black	.02	.04	.05	.09	.10	.12	.21
No. 21-B-39.	Caps, Galvanized	.03	.05	.08	.12	.15	.19	.32
No. 21-B-40.	Return Bends, O. P.	.06	.10	.18	.26	.31	.45	.69
No. 21-B-41.	Lock Nuts, Galvanized	.02	.03	.04	.07	.08	.09	.12
No. 21-B-42.	Unions, Black	.13	.15	.18	.22	.31	.38	.49
No. 21-B-43.	Unions, Galvanized	.20	.22	.27	.33	.46	.59	.76

Cast Iron Black Drainage Fittings Threaded for Wrought Iron Pipe

These fittings have an interior shoulder to which the pipe screws up flush, thus giving an unobstructed passage, preventing pipe from becoming choked up by any so id matter.

Drainage Basin Tee

No. 21-B-124.
Size, 1½ inches. Price.....47c
Size, 2 inches. Price.....70c

Drainage Street Elbow

No. 21-B-125. Cast Iron
Size, 1½ inches. Price.....36c

Wrought Iron Long Screw

No 21-B-126.
with Coupling and Lockout, Faced. Galvanized
Size, 1½"x5½" long. Price.....96c
Size, 2" x6 long. Price.....1.60

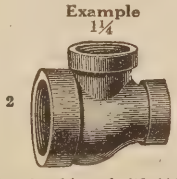
ALL PRICES ON THIS PAGE SUBJECT TO CHANGE

How to Order Reducing Tees and Crosses

Reducing Tees

1st. Always give end or run openings. Then side openings.

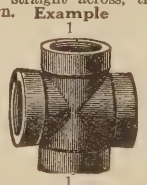
Example



Order should read: "2x1½x1¼."

Reducing Crosses

Always mention all openings. Reading straight across, then up and down. Example



Order should read: "2x2x1x1."

CAST IRON FLANGE

When ordering cast iron flanges, be sure to mention size of pipe and diameter of flange. We can furnish in three ways: "Not Faced or Drilled," "Faced" and "Faced and Drilled." When ordering be sure to give size, figure number and price. Bolts are extra.

No. 21-B-201. 2nd. Cast iron Flange. Faced.
No. 21-B-202. 3rd. Cast Iron Flange. Faced and Drilled.

Inside Pipe Inch.	Outside Flange, Inch.	"Faced."	"Faced and Drilled."	Inside Pipe Inch.	Outside Flange, Inch.	"Faced."	"Faced and Drilled."
	6	$0.60	$0.82	4	9	$1.10	$1.47
2½	7	.70	.88	5	10	1.30	1.65
3	7½	.80	1.00	6	11	1.62	2.05
3½	8½	.96	1.25				

Wrought Iron Pipe Cast Iron Black Drainage Fittings. Threaded.

NOTICE.—The sizes given for fittings refer to the size of the pipe on which fittings are to be used. Carefully measure the inside of the pipe, NOT the coupling, and order by this size.

90 Degree Drainage Elbow

No. 21-B-121.
Size, 1½ inches. Price.....31c
Size, 2 inches. Price.....47c

45 Degree Drainage Elbow

No. 21-B-122.
Size, 1½ inches. Price.....31c
Size, 2 inches. Price.....47c

45 Degree Y Drainage

No. 21-B-127.
Size, 1½ inches. Price.....54c
Size, 2 inches. Price.....79c

Branch Tees and Manifolds

All openings or runs in manifolds are tapped right hand thread. Figure No. 1 is tapped right hand thread both run and branches. Figures No. 2 and 3 are tapped left hand thread so when ordering manifolds it is necessary always to order one Figure No. 1 in connection with either Figure No. 2 or 3 as this will then give you one manifold with a right hand thread and one with a left hand thread.

When figuring the price on Figures No. 2 and 3 manifolds, always take the price of the one branch larger on account of the back opening being charged as a branch. In other words, if you wish to order a six branch manifold Figure No. 2 or 3, the price would be the same as that of a No. 7. This only applies to Figures No. 2 and 3.

ALL PRICES ON THIS PAGE SUBJECT TO CHANGE

FOR CIRCULATION

Fig. 1

FOR CIRCULATION

Fig. 2

FOR BOX COILS

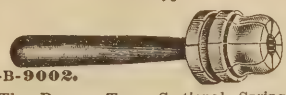
Fig. 3

1 in. Branch Tees 1 in. or 1¼ in. run are 1¾ in. inside diameter.
1 in. Branch Tees 1½ in. or 2 in. run are 2¼ in. inside diameter.
1¼ in. Branch Tees are all 2½ in. inside diameter.

1½ in. Branch Tees are all 2¾ in. inside diameter.
2 in. Branch Tees are all 3½ in. inside diameter.
Always order Branch Tees by size and figure number.

No. of Branches	1" Branch Tees, 2½" C. to C.			1¼" Branch Tees 3" C. to C.			1½" Branch Tees 3½" C. to C.			2" Branch Tees 4½" C. to C.		
	1" or 1¼" Run	1½" Run	2" Run	1¼" or 1½" Run	2" Run	2½" Run	1½" or 2" Run	2½" Run	3" Run	2" or 3" Run	2½" or 3" Run	3½" Run
2	$0.84	$0.93	$1.07									
3	.98	1.08	1.26	$1.57	$1.74	$2.24	$2.52	$3.23	$3.55	$4.91	$5.37	$5.37
4	1.07	1.21	1.50	1.87	2.24	2.65	3.13	3.88	4.30	5.98	6.54	6.54
5	1.09	1.35	1.72	2.24	2.70	3.31	3.74	4.67	5.13	7.14	7.94	7.94
6	1.48	1.63	1.95	2.62	2.91	3.69	4.35	5.37	5.73	8.23	9.11	9.11
7	1.74	2.06	2.28	2.99	3.64	3.93	4.91	6.07	6.76	9.91	10.98	10.98
8	2.05	2.28	2.56	3.36	4.20	4.62	5.47	6.54	7.04	10.74	11.91	11.91
9	2.48	2.70	3.18	4.01	4.90	6.35	6.07	7.72	8.41	11.44	12.61	12.61
10		3.07	3.74	4.49	5.46	6.39	7.11	8.65	9.35	12.61	14.02	14.02
11		4.20	4.49	4.67	5.85	6.75	7.48	9.10	9.97			
12		4.43	4.76	4.90	6.07	7.14	7.94	9.81	10.74			

SECTIONAL SPRING TUBE EXPANDER
Prossor Type

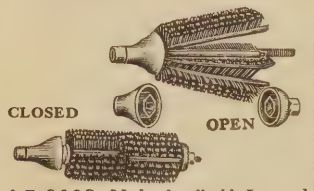


4-B-9002.

The Prossor Type Sectional Spring Tube Expanders. A heavy, substantial tool, same style as used in boiler shops. Made of the highest grade tool steel for ⅜ inch boiler. In ordering be sure and give outside diameter of tubes.

Size, ins....	1¾	2	2¼	2½	3
Price, each..	$5.40	$5.50	$6.90	$8.00	$11.70

EXPANSION FLUE BRUSHES



4-B-9009. Made of malleable Iron and tempered steel. Sizes given are for flues outside diameter.

Size Inches	Price Each	Size Inches	Price Each
1½	$1.20	2½	$1.50
1¾	1.25	3	1.80
2	1.30	3½	2.10
2¼	1.35	4	2.40

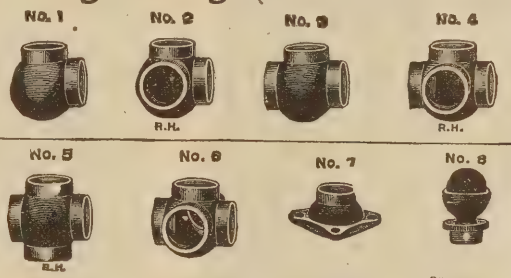
ENGINEERS' FAVORITE FLUE SCRAPER

4-B-9007. Has adjustable screw and good cutting edges that enable the operator to clean flues thoroughly. Sizes given are for tubes outside diameter.

Sizes Inches	Price Each	Size Inches	Price Each
1½	$0.55	2½	$1.15
1¾	.60	3	1.35
2	.95	3½	1.55
2¼	1.05	4	1.80

4-B-9000. Beading tool for beading end of boiler tubes. Price, each....**90c**

Railing Fittings (Malleable Iron)



21-B-96. To be used in connection with Standard Pipe for the purpose of constructing fences and enclosures of all kinds.

PLEASE READ WITH CARE—To construct a railing, two pipes high, the upper outlet of all Fittings in the lower rail should be tapped with left hand thread. As fittings used for this purpose do not need to be steam or water tight a sufficiently clean thread to screw up well and make a good job can be made by running a left hand tap into any outlet tapped right hand. Be sure to mention when ordering Right or Left Hand.

Order from figure number above—note illustration.

Sizes, inches	½	¾	1	1¼	1½	2
No. 1. Elbow.....	$0.06	$0.10	$0.14	$0.23	$0.32	$0.57
No. 2. Elbow Side Outlet..	.07	.11	.15	.25	.35	.60
No. 3. Tee.....	.06	.10	.14	.23	.33	.60
No. 4. Tee, S. Outlet.....	.07	.11	.15	.25	.35	.60
No. 5. Cross.....	.08	.12	.16	.27	.37	.65
No. 6. Cross, S. Outlet.....	.10	.15	.18	.30	.40	.70
No. 7. Floor Flange.....	.07	.11	.15	.25	.35	.60
No. 8. Acorn Ornam'ts....	.06	.10	.14	.23	.32	.57

DROP FITTINGS IN BLACK AND GALVANIZED

	Long Drop Elbows		Short Drop Ells		Drop Tees	
	Blk.	Gal.	Blk.	Gal.	Blk.	Gal.
⅜	8c	⅜	6c	8c	⅜	7c
⅝	11c	½	8c	11c	½	9c
¾		¾	11c	15c	¾	13c
						12c
						19c

CAST IRON FLOOR FLANGES
Drilled for Screws
21-B-210

Pipesize, in.	⅜	½	¾	1	1¼	1½	2
Dia. Flange ins.....	3	3½	3½	4	4	4½	5½
Price, ea...	09c	10c	13c	14c	15c	17c	27c

Cast Iron Hook Plates

No.	Inch	For Pipe Spread of NUMBER OF HOOKS 1	2	3	4	5	6
21-B-79.....	1	2½ 10c	19c	24c	27c	33c	39c
21-B-80.....	1¼	3 11c	22c	28c	33c	42c	54c
21-B-81.....	1½	3½ 15c	29c	44c	60c	75c	91c
21-B-82.....	2	4½ 23c	45c	67c	93c	$1.19	$1.37

GALVANIZED GOOSE-NECK HYDRANTS

No. 21-B-805. A low priced, efficient hydrant, which is made in galvanized pipe only. The gooseneck has a standard hose thread to which the hose can be attached for fire protection purposes, lawn sprinkling, etc. The valve, which is placed below the frost line, is brass, and is so arranged that it will drain the hydrant when shut off, thus preventing freezing. The hydrant is provided with shut-off rod, complete as shown in illustration.

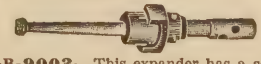
Lgth. ft.	4	5	6
Size, ¾..	$3.15	$3.35	$3.55
1 ..	4.50	4.70	4.95
1¼..	6.80	7.00	7.20

BOILER TUBE FERRULES

21-B-9527. Seamless Copper Boiler Tube Ferrules. Used on ends of boiler tubes to make a perfect fit and a tight job. Sizes are for tubes outside diameter.

Sizes	Width, Ins.	Thickness of Copper, Ins.	Price Each
1¾	⅝	1–32	$0.07
2	⅝	1–32	.08
2¼	⅝	1–32	.09
2½	⅝	1–32	.10
3	¾	1–32	.11
3½	¾	1–32	.13
4	⅞	1–32	.18

ROLLER TUBE EXPANDER
Dudgeon Pattern



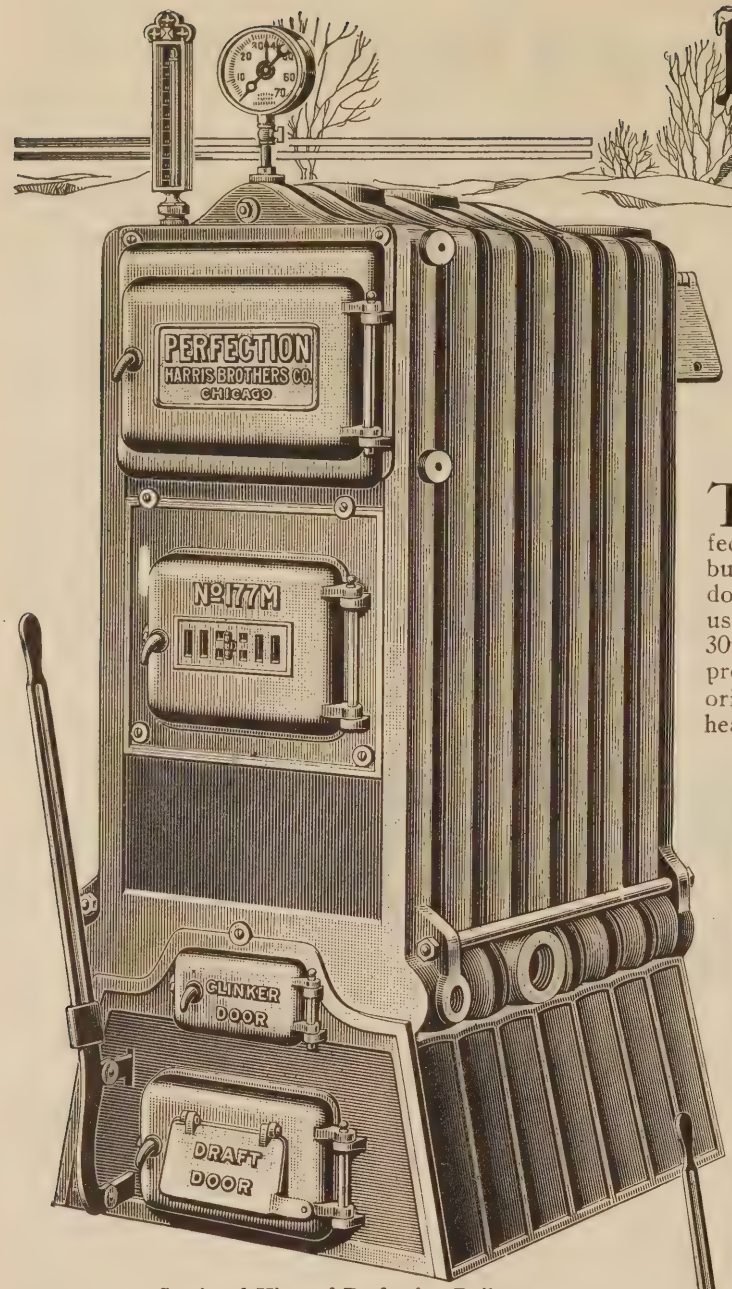
4-B-9003. This expander has a solid body, thus avoiding constant breaking of cap screws. Made of the best material and finely finished. Sizes given are for outside diameter tubes. If your tube measures 2 inches outside diameter you would then require a 2 inch Expander.

Size Inches	Price Each	Size Inches	Price Each
1¼	$4.00	2½	$5.60
1½	4.05	3	7.20
1¾	4.10	3½	9.20
2	4.15	4	12.00
2¼	4.80		

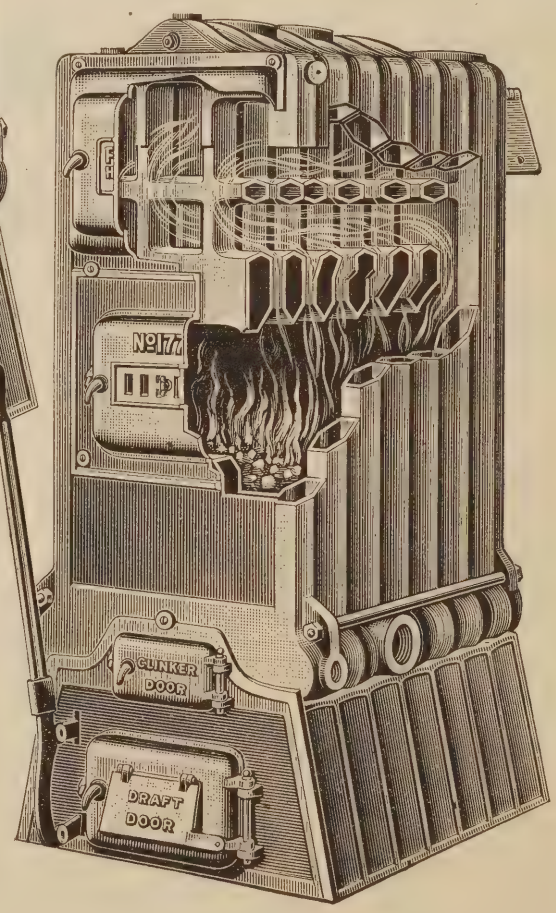
Perfection Heating

For Hot Water and Steam Heating Plants!

TIME TESTED and tried under all conditions in every section of the country. Perfection Boilers are the sure choice of careful buyers everywhere. The most convincing endorsement for them is the thousands now in use and their wonderful record for more than 30 years. Today they present many new improvements in addition to the exclusive and original features that gained for them home heating boiler leadership.



Sectional View of Perfection Boilers



This Boiler Will Be Your Choice If Boiler Perfection Counts

Perfection square sectional, steam and hot water home heating boilers as they stand today are the result of constant experimenting, improving and tests for over 30 years.

Sections are smoothly and evenly cast in one piece from best gray iron carefully tested for strength and endurance.

Maximum heating surface and long smoke travel insures utmost heat from least fuel. Note: The entire firepot is surrounded by water.

The "V" shaped construction of castings—the straight self cleaning flue passages—the rocker type clinker cutting grate bars and the ability of these boilers to burn wood, coke, hard coal, soft coal or any fuel giving greatest efficiency at all times makes Perfection Boilers one of the most satisfactory on the market.

Square Sectional Boilers

The Pulse of Comfort in Your Home

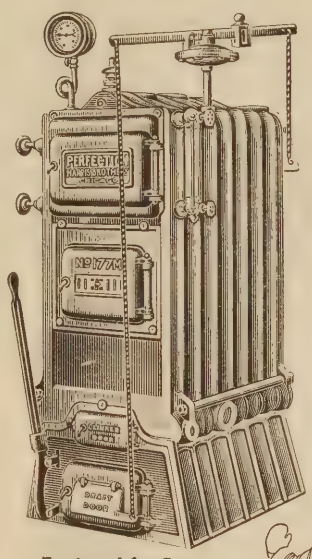
THE joy and healthful advantages of an efficient correctly installed modern heating system has made its selection the most important of all home comforts and improvements. Perfection Home Heating Systems—Perfection Boilers—Perfection Radiators—Perfection Furnaces and heating equipment of every description together with our Free Expert Engineering service has contributed in a large measure to the health and happiness of thousands of progressive home owners.

Perfection Boilers Are Perfect in Design and Construction

The pictures on the opposite page clearly show the splendid construction of Perfection square sectional boilers. The hot water and steam boilers are of the same design with the exception of the steam trimmings which are furnished with the steam boilers. Every possible unit of heat produced by the fuel is absorbed by the water before the burning gases and smoke reaches the chimney. Note the extra deep firepot entirely surrounded by water heating passages which insures quick, steady heat.

Perfection Heating Systems Are Planned by Experts

Our experts have reduced the old-time complications of heating system planning and installation to a simple, easily completed job. Any handy man can do all the work by following our simple, easily understood instructions. No experience on your part necessary—just a little time and substantial exercise. We furnish all the tools you will need at a low rental charge. Always the same satisfactory results—a perfect efficient heating system insuring cold weather comfort and a big saving on the completed job.



Equipped for Steam

This Guarantee—

Assures Heating Plant Perfection and Cold Weather Comfort

Every Perfection Heating System, when installed according to our plans and instructions, is guaranteed to heat the rooms in which radiators are placed to a temperature of 70 degrees during all conditions of weather without undue forcing of the fire. It is agreed that if for any reason any piece or part of the material proves defective or if the heating system we have furnished is not capable of heating the rooms as stated above, we will hand you back the purchase price and any amount of freight charges paid by you to receive it.—HARRIS BROTHERS COMPANY.

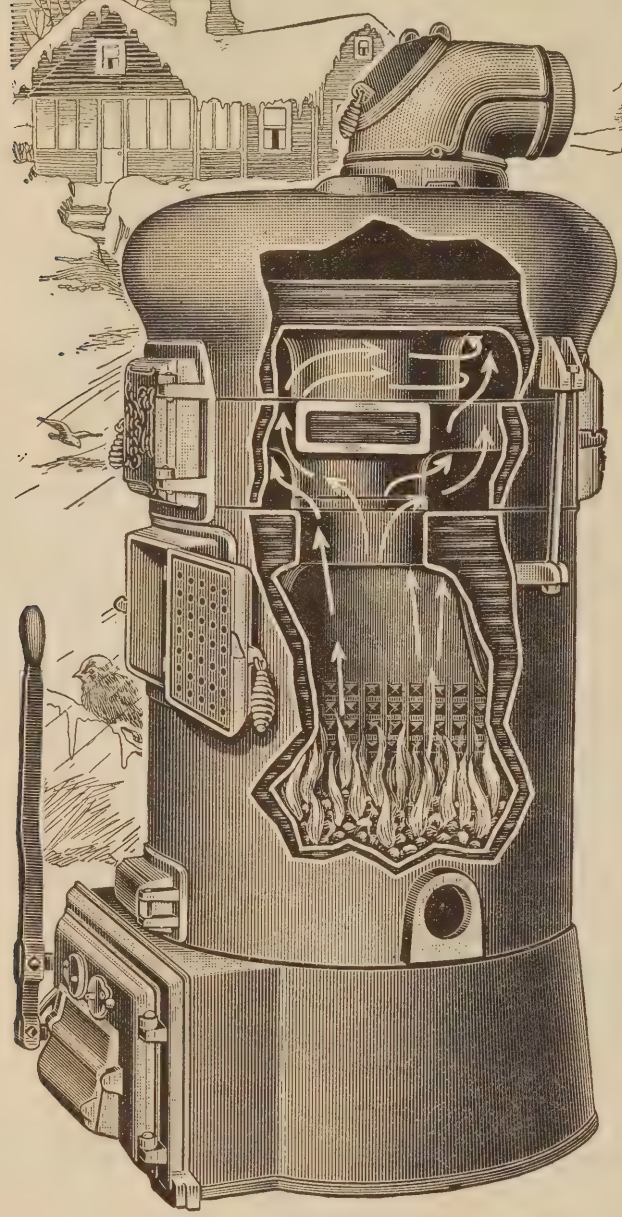
Prices and Specifications of Perfection Heating Boilers

All Quotations Are Subject to Market Changes

Number	Size of Firepot	Size of Smoke Pipe	Foundation Inches	Tappings at Flow and Return	Height to Water Line (in Steam Boiler)	Direct Water Radiation	Direct Steam Radiation	Shipping Weight in Lbs.	Price on Hot Water Boilers	Price on Steam Boilers
17-C-64	13½x12	7	23x24	2–2	41"	340	190	590	$ 65.00	$ 79.00
17-C-65	13½x15	7	23x28	2–2	41	420	250	675	74.00	88.00
17-C-66	13½x18	7	23x32	2–2	41	550	325	835	84.00	98.00
17-C-67	13½x21	7	23x36	3–2	41	650	400	915	93.00	107.00
17-C-175	17x17	9	26x28	2–2½	48	890	525	941	112.00	127.00
17-C-176	17x21	9	26x33	2–2½	48	1060	625	1123	130.00	145.00
17-C-177	17x25	9	26x38	3–2½	48	1230	725	1305	149.00	164.00
17-C-178	17x30	9	26x43	3–2½	48	1400	825	1487	168.00	183.00

Above prices are all F. O. B. our factory in Western New York. We will quote Freight Prepaid prices on request

Perfection Round Sectional Heating Boilers



For Hot Water and Steam Heating Plants

Burn hard coal, soft coal, wood, coke or any fuel with utmost satisfaction.

PERFECTION sectional steam and hot water boilers show a decided improvement in "Round Type Boiler Construction." When designing Perfection Boilers, our engineers worked with one idea—to produce the most efficient and economically operated heating boiler possible. Following the designs of our engineers, these boilers are carefully made from the best grade of gray cast iron, smoothly finished; all sections and parts fitting perfectly.

We call your special attention to the construction of the fire pot. The cast iron pins on the side of the fire pot serve a double purpose. They hold the ashes and dead fire from the fire pot and because they project into the fire heat quickly and increase the circulation in your heating system.

Although Perfection Boilers embody all latest improvements and are sold under a guarantee of absolute satisfaction, you will find the prices on these boilers exceptionally low.

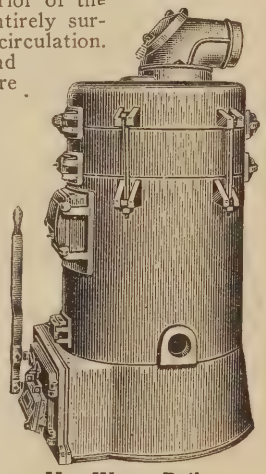
Most Efficient Round Design

This sectional view of the interior of the boiler shows the deep fire pot entirely surrounded by water, insuring quick circulation. All parts are carefully tested and must fit perfectly before boilers are shipped from our factory.

Important Features

- Smooth, perfect fitting cast sections.
- Deep fire pot and long fire travel gets the heat.
- Greatest possible heating surface.
- Rocker type clinker cutting grate bars.
- Large size feed doors.
- Deep, roomy ashpit.
- Ease of operation and cleaning.
- Rapid circulation.
- Perfect fitting parts.

Shipments from factory in Eastern Michigan or Chicago.



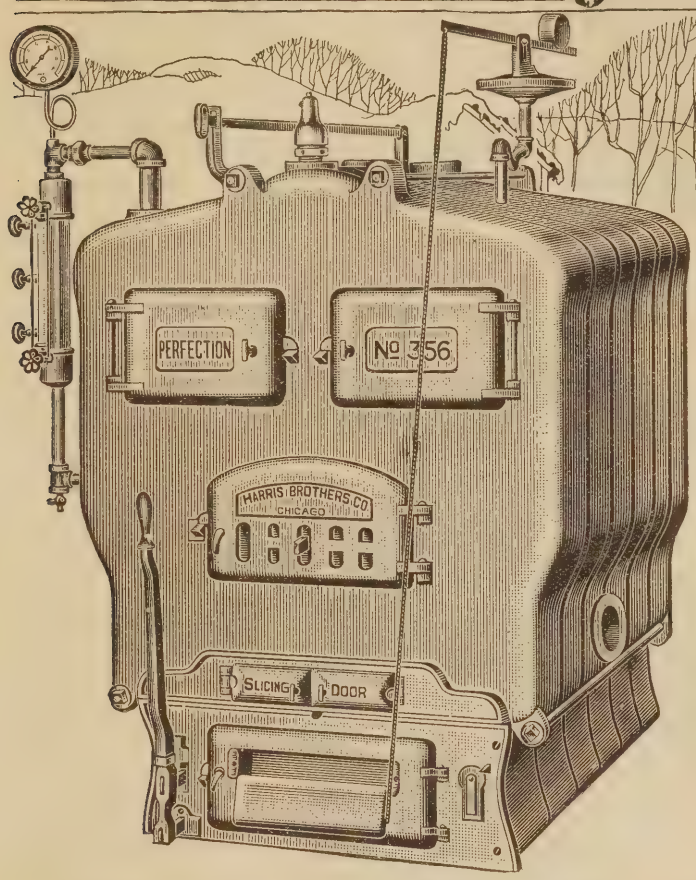
Hot Water Boiler

Prices of Perfection Round Sectional Steam and Hot Water Boilers

All Quotations Are Subject to Market Changes

Number	Dia. of Grate	Floor Space	Height Outlet Steam	Height Outlet Water	Water Line Steam	Number and Size Tappings	Size of Smoke Pipe	Weight	Rating Steam	Rating Hot Water	Price Steam	Price Hot Water
17-C-319	19"	26"	50"	47"	47"	2-2½"	7"	900	450	700	$122.00	$ 97.00
17-C-222	22"	30"	50"	47"	44"	2-2½"	9"	1000	525	875	128.00	100.00
17-C-322	22"	30"	56"	53"	50"	2-2½"	9"	1100	575	940	144.00	116.00
17-C-422	22"	30"	62"	59"	56"	2-2½"	9"	1200	600	975	158.00	128.00
17-C-225	25"	33"	52"	48"	46"	2-3 "	9"	1300	675	1150	149.00	118.00
17-C-325	25"	33"	58"	54"	52"	2-3 "	9"	1400	750	1240	168.00	139.00
17-C-228	28"	36"	53"	49"	47"	2-4 "	10"	1550	900	1475	185.00	150.00
17-C-328	28"	36"	59"	55"	53"	2-4 "	10"	1800	1000	1575	210.00	175.00
17-C-428	28"	36"	65"	61"	59"	2-4 "	10"	2000	1025	1675	234.00	199.00
17-C-331	31"	39"	61"	56"	54"	2-4 "	10"	2200	1200	1900	256.00	218.00

Perfection Square Sectional Heating Boilers



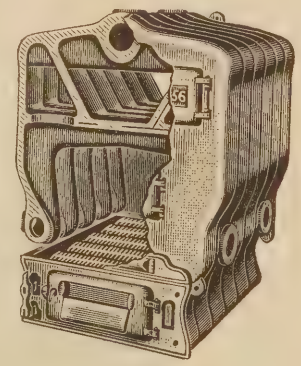
For Large Hot Water and Steam Heating Systems

Perfection boilers are designed particularly for use in large heating work. They are conveniently installed; being sectional, they are built up together—no additional expense for elaborate brickwork. The ease with which Perfection boilers are operated with greatest efficiency—their ability to heat quickly, steadily and powerfully with utmost fuel economy—are advantages that you will appreciate.

Fast, Steady, Powerful Boilers

Made with improved push nipple type for joining the sections. This connection consists of heavy machine turned smooth tapered nipples made of cast iron and held together by heavy tie rods. These connections are so arranged that they are not exposed to the action of the fire and are unaffected by expansion or contraction of the sections; tight, permanent joints at all times. Their capacity can be increased or diminished by adding or taking from the sections.

Note, especially the deep combustion chamber and the enormous amount of heating surface pressed to the action of the fire. This feature, combined with the long travel of gases, utilizes all of the effective heating units, giving efficiency with the most economical consumption of fuel. This also insures an immediate response to the action of the fire and quick heat to all parts of your building. All boiler ratings stated below are conservatively made according to accepted standards. Perfection boilers are perfectly adapted for soft coal burning. Perfection boilers are equipped with a large front and rear clean-out door, which gives you free and easy access to every part of the fire surface.

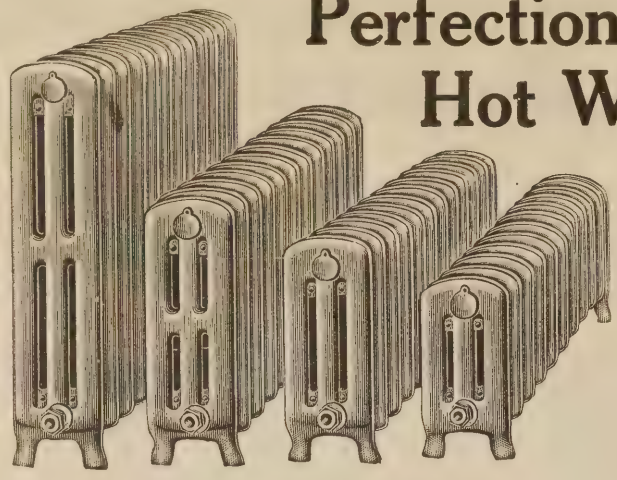


Sectional View

Prices and Specifications of Perfection Boilers F. O. B. Factory in Michigan
All Quotations Are Subject to Market Changes

Number	Grate Surface	No. of Taps	Size of Smoke Pipe	Height to Outlet	Water Line	Total Length	Weight	Hot Water Rating	Steam Rating	Price Hot Water	Price Steam
17-C-255	22x30	2-4	10	53	45	54	2200	1300	950	$205.00	$235.00
17-C-256	22x37	2-4	10	53	45	61	2500	1650	1150	250.00	280.00
17-C-257	22x44	2-4	10	53	45	68	2800	2000	1350	288.00	318.00
17-C-258	22x51	2-4	10	53	45	75	3150	2625	1600	328.00	358.00
17-C-355	30x30	2-4	13½	59	48	52	3000	2400	1450	312.00	342.00
17-C-356	30x37	2-4	13½	59	48	59	3650	3000	1850	380.00	410.00
17-C-357	30x44	2-4	13½	59	48	66	4200	3600	2275	435.00	465.00
17-C-358	30x51	3-4	13½	59	48	73	4500	4200	2550	480.00	510.00
17-C-359	30x58	3-4	13½	59	48	80	5100	4800	2900	540.00	570.00
17-C-456	38x42	2-5	16	67	55	63	4800	5000	3000	550.00	580.00
17-C-457	38x50	2-5	16	67	55	71	5600	5875	3500	625.00	655.00
17-C-458	38x58	3-5	16	67	55	79	6400	6800	4000	700.00	730.00
17-C-459	38x66	3-5	16	67	55	87	7300	7800	4500	800.00	830.00
17-C-4510	38x74	3-5	16	67	55	95	8000	8300	5000	880.00	910.00

Perfection Plain Steam and Hot Water Radiators

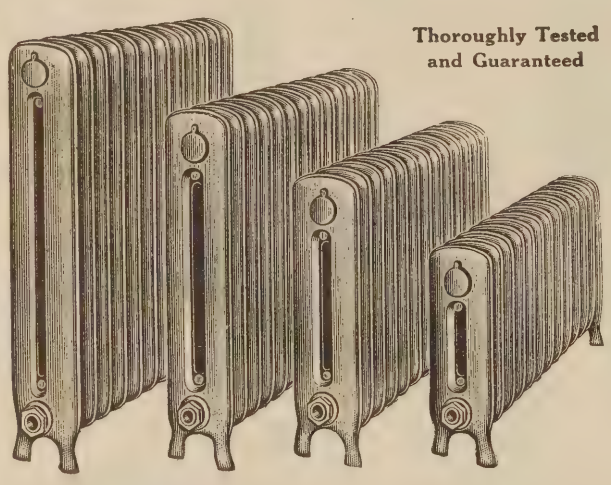


Perfection 3 Column Radiators

THESE Colonial design radiators are smoothly made from best grey iron. Each section is expertly cast in one piece. All surfaces must be perfect because of the plain design without old-fashioned ornamentation which covered imperfect careless castings. Easy to finish with gold or aluminum paint—easy to keep clean and sanitary.

Each section is tested separately and tested again when the complete radiator is assembled before shipment. Guaranteed perfect in every respect.

Prices below are for shipment direct from our warehouse in Western New York. We carry a large stock of radiators here at Chicago for the convenience of our customers. When shipments are made from Chicago, add 3c per ft. to cover freight charges.



Thoroughly Tested and Guaranteed

Perfection 2 Column Radiators

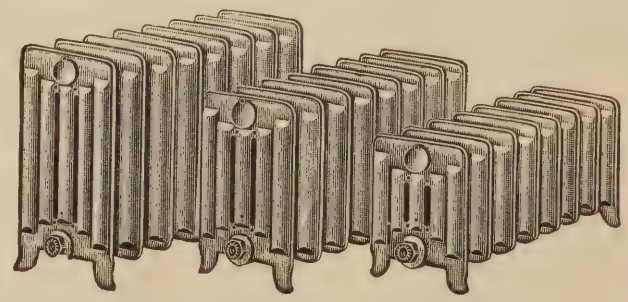
ONE COLUMN RADIATORS 17-C-5300		PRICES Hot Water	Steam
38 inch high, 3	sq. ft. per section—per ft.	$0.40	$0.39
26 inch high, 2	sq. ft. per section—per ft.	.49	.48
20 inch high, 1½	sq. ft. per section—per ft.	.56	.55
TWO COLUMN RADIATORS No. 17-C-5305		**Hot Water**	**Steam**
38 inch high, 4	sq. ft. per section—per ft.	$0.38	$0.37
32 inch high, 3½	sq. ft. per section—per ft.	.41	.39
26 inch high, 2⅔	sq. ft. per section—per ft.	.46	.44
20 inch high, 2	sq. ft. per section—per ft.	.52	.50
THREE COLUMN RADIATORS No. 17-C-5310		**Hot Water**	**Steam**
38 inch high, 5	sq. ft. per section—per ft.	$0.37	$0.36
32 inch high, 4½	sq. ft. per section—per ft.	.40	.39
26 inch high, 3¾	sq. ft. per section—per ft.	.44	.43
22 inch high, 3	sq. ft. per section—per ft.	.48	.47
18 inch high, 2¼	sq. ft. per section—per ft.	.53	.52
FIVE COLUMN RADIATORS No. 17-C-5315		**Hot Water**	**Steam**
22 inch high, 6	sq. ft. per section—per ft.	$0.48	$0.47
18 inch high, 5	sq. ft. per section—per ft.	.53	.52
14 inch high, 4	sq. ft. per section—per ft.	.58	.57

Made with standard tapping as follows:

Radiators containing 26 ft. or under ..... ¾ in.
Radiators containing more than 26 ft. (not exceeding 50 ft.) ..... 1 in.
Radiators above 50 ft. but not exceeding 90 feet ..... 1¼ in.
Radiators containing above 90 feet ..... 1½ in.

Made of Smooth, Gray Cast Iron—Plain Design

Perfection One Column Radiators



Perfection 5 Column Low Radiators

All Quotations Are Subject to Market Changes

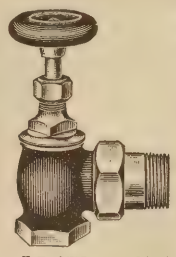
Heating Plant Accessories

Radiator Valves and Union Elbow

Floor Flange

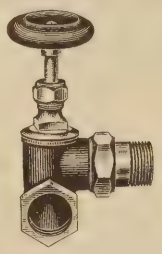
5-B-202. Floor Flange.

Size, Inches	Price, Each
½ inch...	**$0.09**
¾ inch...	**.11**
1 inch...	**.13**
1¼ inch...	**.15**
1½ inch...	**.17**
2 inch...	**.20**



5-B-178. Jenkins' Disc Angle Radiator Valve with Union, nickel plated all over.

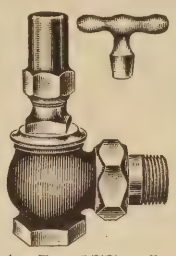
¾ inch	**$1.35**
1 inch	**1.60**
1¼ inch	**2.00**
1½ inch	**2.60**
2 inch	**4.25**



Specify Right or Left Hand Corner when ordering.

5-B-174. Jenkins' Disc corner radiator valves with union.

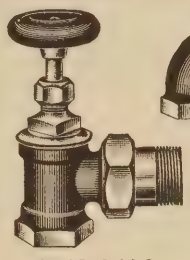
¾ inch.....	**$1.90**
1 inch.....	**2.25**
1¼ inch.....	**3.00**
1½ inch.....	**3.80**
2 inch.....	**6.15**



5-B-177. Lock Shield Jenkins' Disc with union, nickel plated all over.

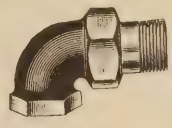
¾ inch.....	**$1.70**
1 inch.....	**2.10**
1¼ inch.....	**2.85**
1½ inch.....	**3.65**

Keys, Extra, Each, **20c**



5-C-179. Quick Opening Hot Water Radiator Valve with Union, nickel plated all over.

¾ inch	**$1.05**
1 inch	**1.35**
1¼ inch	**1.60**
1½ inch	**2.00**
2 inch	**3.25**



5-C-180.

Hot Water Union Elbows nickel plated all over.

Size, Inches	Price, Each
¾ in..	**$0.60**
1 in..	**.70**
1¼ in..	**.95**
1½ in..	**1.15**
2 in..	**2.00**

Ceiling Flange

5-B-203. Ceiling Flange.

Size, Inches	Price, Each
½ inch...	**$0.09**
¾ inch...	**.11**
1 inch...	**.13**
1¼ inch...	**.15**
1½ inch...	**.17**
2 inch...	**.20**

Radiator Air Valves

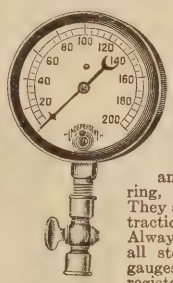
Loose Key

5-B-181. Nickel plated loose key compression radiator air valves. Size, ⅛ ins. **$0.15**

Wood Wheel

5-B-183. Nickel plated Compression Radiator Air Valves with wood wheels. Size ⅛ inch **$0.15**

Steam Gauges

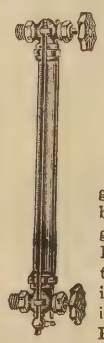


Three Sizes

5-B-9511. Japanned Iron Case brass ring, complete with cock. They should not be used on traction or portable rigs. Always use a syphon with all steam gauges. These gauges are guaranteed to register accurately up to 200 pounds. Each gauge is packed in a wooden box.

Size dials, inches	3½	4½	5
Price, each	**$2.10**	**$2.25**	**$2.65**

Low pressure steam gauge registering up to 30 lbs., 3½ inch Dial..... **$2.10**



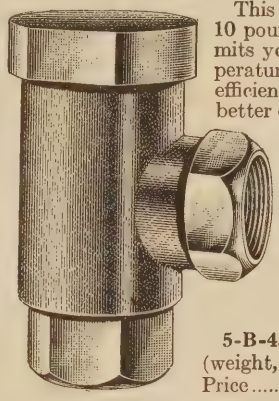
Water Gauges

5-B-9501. Complete water gauge set. Made with brass body, iron wheels and two guards to protect glass tube. Fitted with drain cock at bottom. Polished brass finish. ½ inch thread. Glass, size ⅝x12 inch.

Price, complete..... **$1.75**

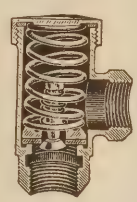
Efficient Heat Governor

for Hot Water Heating Plants



This device keeps a constant pressure of about 10 pounds on the water of the system and permits you to heat the water to a very high temperature. You will get much higher heating efficiency on the plant, save fuel and will get better circulation.

Can be attached in a few minutes to any Hot Water Heating system. Made of solid bronze throughout—will not rust or get out of order, will last a lifetime.



Sectional View showing the splendid construction of heat governor.

5-B-4570. Heat governor (weight, 5 lbs.)
Price **$5.50**

Automatic Air Valve for Steam

5-C-184. Nickel plated automatic radiator air valves for steam. Size of connection pipe, thread, ⅛ in. Each .. **$0.40**

Altitude Gauges

New Pattern

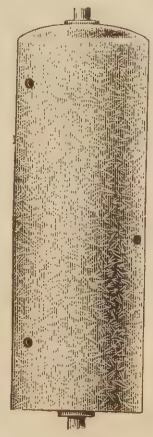
5-C-189. Altitude Gauges are used for indicating the heighth of water in a hot water heating system. The red hand is movable. When you determine the heighth of water to just fill the system correctly, set the red hand at that point and then the indicating hand should be right on top of it.

Each..... **$2.00**

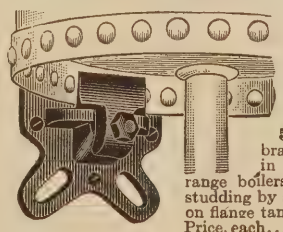
Galvanized Steel Expansion Tanks

These are used in connection with hot water heating plants. Water gauge not included at prices quoted.

5-B-190	8	10x20	300 to 400	**$ 8.00**
5-B-191	10	12x20	400 to 500	**8.20**
5-B-193	15	12x30	500 to 600	**9.20**
5-B-195	20	14x30	600 to 700	**12.80**
5-B-197	26	16x30	700 to 900	**14.35**
5-B-198	32	16x36	1000 to 1300	**15.35**
5-B-199	42	16x48	1300 & up	**16.85**
5-B-201	Expansion tank gauge set.			**1.05**



Improved Expansion Tank Bracket



5-B-280. An ingenious bracket to hold expansion tanks in hot water heating systems or range boilers. Quickly attached to wall studding by screws furnished. Grip clamp on flange tank holds it securely in place.
Price, each..... **$1.35**

Hot Water Thermometers

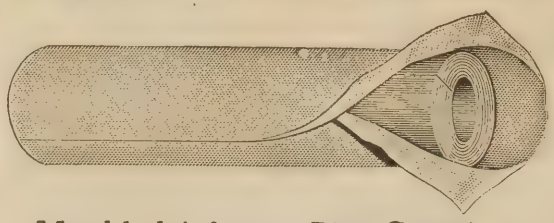
$1.05

Used in connection with hot water heating plants, registering up to 220 degrees. Guaranteed accurate. Each thermometer is carefully packed in a separate wooden box.

5-B-187. Straight Thermometers as shown in illustration.
Price, each..... **$1.05**

5-B-188. Angle Thermometers for use on risers or circulating pipes.
Price, each..... **$1.20**

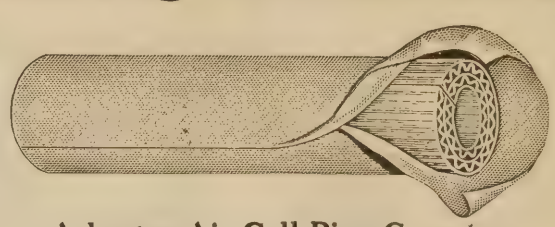
Pipe Covering and Heating Accessories



Moulded Asbestos Pipe Covering

21-B-204. This form of covering is offered as a durable and effective non-conducting covering. it is absolutely fireproof and is made in sections in the various sizes, 3 feet long, which are finished with canvas jackets, and provided with sufficient metal bands to securely fasten it to the pipe. Thickness of covering, 1 inch.

For pipe, Size	Price per 3 ft. length	For pipe, Size	Price, per 3 ft. length
½	**$0.33**	2	**$0.55**
¾	**.37**	2½	**.60**
1	**.41**	3	**.65**
1¼	**.45**	3½	**.72**
1½	**.50**	4	**.90**



Asbestos Air Cell Pipe Covering

21-B-206. Suitable for steam or hot water heating plant. Is a first class insulator. It is ½" thick, made up of layers of Asbestos with small air spaces between. These air spaces very materially increase the efficiency of the covering. It is light, thus reducing freight charges. Mechanically stronger, so less liable to breakage, and we believe it is in every way equal to the Asbestos Moulded Pipe Covering. Sold in sections of 3 feet. Easily applied. Metal bands for each section.

For Pipe, Size	Price, per 3 ft. length	For Pipe, Size	Price, per 3 ft. length
½	**$0.21**	2	**$0.37**
¾	**.24**	2½	**.40**
1	**.27**	3	**.45**
1¼	**.30**	3½	**.50**
1½	**.34**	4	**.57**

Wool Felt Pipe Covering

21-B-205. Especially recommended for hot water heating plants. This covering is made of soft corrugated wool felt with interlining of two layers of asbestos felt, and finished with a canvas jacket.

For Pipe, Size	Price per 3 ft. Length	For Pipe, Size	Price per 3 ft. Length
¾	**$0.25**	2½	**$0.44**
1	**.29**	3	**.49**
1¼	**.33**	3½	**.55**
1½	**.37**	4	**.60**
2	**.40**		

Joint Cement

5-B-9535. For use in steam, hot water or other pipe connections. Makes joints air tight; does not harden; easy to put in pipe connections without breaking the fitting.
2-lb. can..... **35c**

"Boiler Never-leak"
5-B-1210. Liquid Chemical; guaranteed to stop ordinary leaks and cracks in steam and hot water heating boilers by drawing water down below the top of the boiler, mixing liquid and keeping a hot fire for 48 hours. For boilers up to 1000 ft. 1 qt. is required. Boilers up to 2000 ft. 2 qts. 3000 to 4000 ft. 3 qts. Weight 3 lbs.
Per qt..... **$2.50**

Red Lead

This is the regular plumbers, red lead for making joints water, gas or steam tight.
5-B-7850. Comes in one-pound cans.
Price Per can.. **18c**

Asbestos Cement

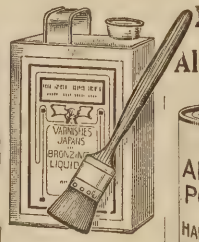
100 lb. Bag **$1.80**

21-B-207. A dry cement for covering heating boilers, iron or any other surface to prevent loss of asbestos fibre and other materials. Increases efficiency of boiler.

As asbestos Moulded covering for fittings are only made as ordered, we would recommend the use of Asbestos cement in their place. Figure 1½ lbs. of cement to a fitting up to 2 inches.
Price, per 100-lb. bag..... **$1.80**

Radiator Bronze

5-B-7590. Gold Bronze Powder.
½ lb.. **$0.55**
1 lb.. **1.00**



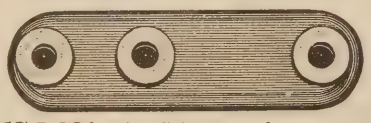
5-B-7585 Radiator bronze mixing liquid and brush.

	Each
1 quart cans...	$0.35
½ gallon can..	.65
1 gallon can...	1.15
Bronzing brush,	.40

Radiator Aluminum

5-B-7595. Aluminum Bronze Powder
½ lb.. **$0.65**
1 lb.. **1.20**

Domestic Water Heater



17-B-984. An efficient water heater especially made to be used in any standard furnace. Made of finest smooth gray cast iron. Convenient clean-out plug enables you to remove sediment. Two openings for 1 inch pipe. Easily installed by removing parts covering these openings. Efficiently used in connection with any 40 gallon range boiler.
Price, each..... **$2.25**

Pipe Hangers

Can be cut to all desired lengths by disconnecting two lower screws. The most practical pipe hanger on the market. Easy to adjust.

21-B-185. Adjustable length, 2 to 10 ins.

Pipe Inches	Each	Pipe Inches	Each
1	**$0.08**	2	**$0.11**
1¼	**.09**	2½	**.12**
1½	**.10**	3	**.15**

Galvanized Smoke Pipe

Per Foot **30c**

17-B-7530 Our regular galvanized smoke pipe furnished with all our Heating Plants, made of 26-gauge heavy galvanized sheet iron, comes in 2 foot lengths. This stack is shipped knocked down in the flat sheets all flanged and seamed. Can be assembled in a few minutes. Prices as follows:

Inch	6	7	8	9	10	12
Per foot	30c	31c	32c	33c	36c	39c

DAMPERS

17-B-7535.

6 inch	$0.45
7 inch	.47
8 inch	.63
9 inch	.78
10 inch	.95
12 inch	1.10

Smoke Pipe Elbows

45c

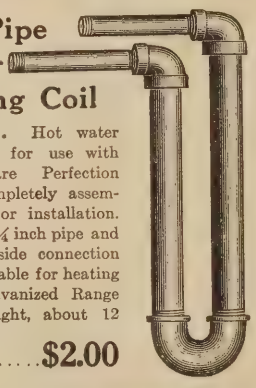
17-B-7540. 26-gauge galvanized Elbows to fit above smoke pipe. Prices as follows:

Inch	6	7	8	9	10	12
Each	40c	46c	54c	62c	77c	$1.08

PERFORATED STRAP IRON

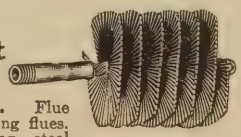
21-B-1186. For large pipe or long drops we recommend our ⅞ perforated strap iron. 5 ft. and 10 ft. lengths, Price, per foot..... **$0.05½**

Iron Pipe Water Heating Coil



17-B-1204. Hot water Heating Coil for use with Harris Square Perfection Boilers. Completely assembled, ready for installation. Made from 1¼ inch pipe and fittings. Outside connection ¾ inch. Suitable for heating 30 or 40 Galvanized Range Boilers. Weight, about 12 pounds.
Price, each..... **$2.00**

Flue Cleanout Brush



17-B-1209. Flue brush for cleaning flues. Made of spring steel with handle threaded for ¼ inch pipe. Extension handle can easily be made by coupling to ¼ inch pipe. Shipping weight 1 lb.
Price..... **$1.10**

Brass Valves—Cocks—Iron Body Valves

STANDARD BRASS STEAM COCKS

4-B-4919.

Size	Each
¼ inch	$0.39
⅜ inch	.44
½ inch	.55
¾ inch	.85
1 inch	1.15
1¼ inch	1.82
1½ inch	2.39
2 inch	3.25

STANDARD BRASS GAS SERVICE COCKS

5-B-4921.

Size	Each
⅜ inch	$0.44
½ inch	.50
¾ inch	.60
1 inch	.94
1¼ inch	1.49
1½ inch	2.04
2 inch	3.60

COMPRESSION GAUGE COCKS

5-B-4915. With wood handles, brass finished, with stuffing box.

Size	Each
⅜ inch	$0.77
½ inch	.83
¾ inch	1.02

THREE-WAY BRASS STEAM COCKS

5-B-4917.

Size	Each
½ inch	$2.10
¾ inch	2.77
1 inch	3.46
1¼ inch	5.28
1½ inch	6.60
2 inch	9.68

Prices of All Material on This Page Are Subject to Market Changes

Full standard weights, suitable for 100-pound steam pressure. For use either steam or water purposes. Made of the best grade metals of proper mixture to give excellent satisfaction. The valves are carefully machined and have full openings. We guarantee them fully in every respect and we will replace any valve without charge that does not prove entirely satisfactory.

STANDARD BRASS GLOBE VALVES

5-B-4901.

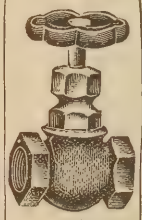
Size	Each
¼ inch	$0.33
⅜ inch	.35
½ inch	.37
½ inch	.50
¾ inch	.66
1 inch	.77
1¼ inch	1.32
1½ inch	1.52
2 inch	2.30

STANDARD GATE VALVES

5-B-4909.

Size	Each
¼ inch	$0.83
⅜ inch	.85
½ inch	.94
¾ inch	1.15
1 inch	1.62
1¼ inch	2.15
1½ inch	2.86
2 inch	4.18

JENKINS' DISC BRASS GLOBE VALVES



5-B-4905.

Size	Each
¼ inch	$0.53
⅜ inch	.60
½ inch	.83
¾ inch	1.15
1 inch	1.48
1¼ inch	2.09
1½ inch	2.86
2 inch	4.51

STANDARD BRASS ANGLE VALVES

5-B-4903

Size	Each
¼ inch	$0.33
⅜ inch	.35
⅜ inch	.37
½ inch	.50
¾ inch	.66
1 inch	.77
1¼ inch	1.32
1½ inch	1.52
2 inch	2.30

JENKINS' DISC BRASS ANGLE VALVES

5-B-4907

Size	Each
¼ inch	$0.53
⅜ inch	.60
½ inch	.83
¾ inch	1.15
1 inch	1.50
1¼ inch	2.09
1½ inch	2.86
2 inch	4.50

STANDARD HORIZONTAL CHECK VALVES

5-B-4923.

Size	Each
¼ inch	$0.33
¼ inch	.35
⅜ inch	.36
½ inch	.44
¾ inch	.56
1 inch	.79
1¼ inch	1.10
1½ inch	1.54
2 inch	2.36

JENKINS' DISC BRASS CHECK VALVES

5-B-4925

Size	Each
¼ inch	$0.53
⅜ inch	.55
½ inch	.60
¾ inch	.99
1 inch	1.35
1¼ inch	1.87
1½ inch	2.35
2 inch	3.50

STANDARD SWING CHECK VALVES

5-B-4927.

Size	Each
½ inch	$1.00
¾ inch	1.10
1 inch	1.38
1¼ inch	1.81
1½ inch	2.35
2 inch	3.30

STANDARD VERTICAL CHECK VALVES

5-B-4929.

Size	Each
¼ inch	$0.59
⅜ inch	.64
½ inch	.83
¾ inch	1.05
1 inch	1.48
1¼ inch	5.08
1½ inch	2.89
2 inch	4.37

Bibb Air Cock

5-B-4913.

Size	Each
⅛ inch	$0.40
¼ inch	.50
⅜ inch	.55
½ inch	.63

Pop Safety Valves

With phosphor bronze seats. For boilers of all kinds. Be sure to state pressure the valve is to be set at.

5-B-4931.

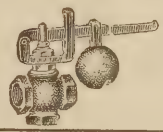
Size, In.	Horse Power.	Each up to 15 lb. Pressure	Each from 15-100 lb. Pressure
¾	8	$2.91	$ 5.10
1	12	3.40	6.32
1¼	18	3.85	7.60
1½	20	4.12	9.51
2	30	6.55	14.57

Lever Safety Valves

5-B-4933.

Size	Each
½ inch	$2.03
¾ inch	2.42
1 inch	3.08
1¼ inch	4.50
1½ inch	5.35
2 inch	7.45

STANDARD BRASS BALL AND LEVER SAFETY VALVES



Brass Air Cocks

5-B-4911.

Size	Each
⅛ inch	$0.24
¼ inch	.33
⅜ inch	.35
½ inch	.37

Check Valves

IRON BODY HORIZONTAL CHECK VALVES

21-B-150. Brass mounted screw ends.

Size	Each	Size	Each
2½ inch	$ 6.00	4 inch	$13.00
3 inch	8.20	5 inch	20.30
3½ inch	11.30	6 inch	27.50

Iron Body Valves

Standard weight, well proportioned; suitable for working pressure up to 100 lbs. For steam or water. Fully guaranteed.

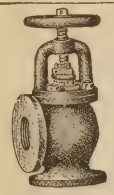
Check Valves

IRON BODY HORIZONTAL CHECK VALVES

21-B-108. Brass mounted, flange ends.

Size	Each	Size	Each
3 inch	$10.50	5 inch	$24.00
4 inch	16.50	6 inch	32.25

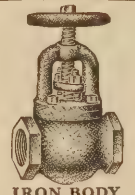
IRON BODY ANGLE VALVES



21-B-104. Brass mounted with yoke flange ends.

Size	Each
2½ inch	$ 9.60
3 inch	13.50
3½ inch	16.65
4 inch	20.25
5 inch	27.90
6 inch	37.80

IRON BODY GLOBE VALVES AND ANGLES



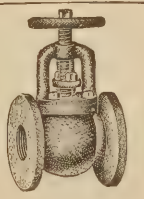
Brass mounted with yoke, screw ends.

21-B-101. Globe Valve.

21-B-105. Angle Valve.

Size	Each
2½ inch	$ 8.10
3 inch	11.25
3½ inch	13.70
4 inch	17.10
5 inch	24.30
6 inch	33.75

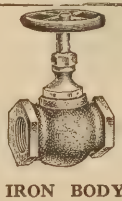
IRON BODY GLOBE VALVES



21-B-103. Brass mounted, with yoke, flange ends.

Size	Each
2½ inch	$ 9.60
3 inch	13.50
3½ inch	16.65
4 inch	20.35
5 inch	27.90
6 inch	37.80

IRON BODY GLOBE VALVES



21-B-97. Brass mounted, plain screw ends.

Size	Each
2 inch	$4.50
2½ inch	6.50
3 inch	9.00

IRON BODY ANGLE VALVES

21-B-99. Brass mounted, plain screw ends.

Size	Each
2 inch	$4.50
2½ inch	6.50
3 inch	9.00

STRAIGHT WAY GATE VALVES

21-B-109. Iron body, brass trimmings, stationary stem, screw ends.

Size	Each
2½ inch	$ 9.55
3 inch	11.60
3½ inch	14.10
4 inch	15.90
5 inch	23.80
6 inch	27.45

STRAIGHT WAY GATE VALVES

21-B-110. Iron body, brass trimmings, stationary stem, flange ends

Size	Each
2½ inch	$11.00
3 inch	13.50
3½ inch	16.00
4 inch	18.90
5 inch	25.75
6 inch	29.95

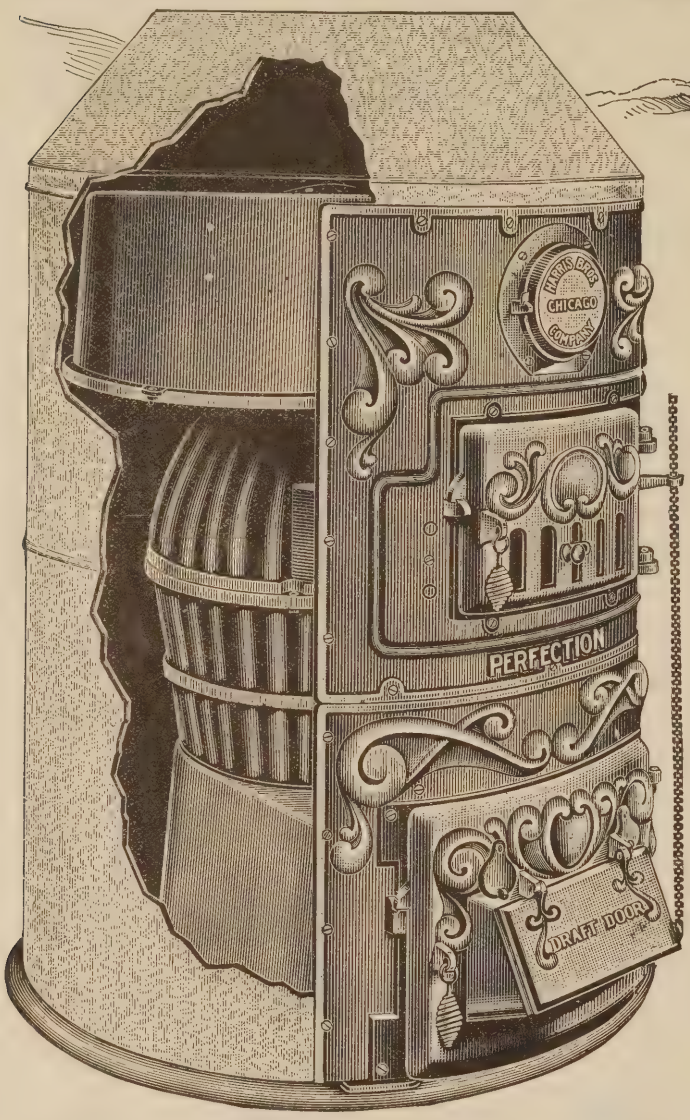
LET US KNOW YOUR NEEDS

Used Valves and Fittings!

In connection with our big purchases of complete plants and factories, we receive a steady supply of valves and fittings of every kind. Send us a list of your requirements for low, quick sale prices.

WRITE FOR PRICES NOW

Perfection Warm Air



Sectional view showing the deep, heavily corrugated firepot, large radiator and roomy ashpit

For Warm Air Pipe Heating Systems

HARRIS Warm Air Heating Systems offer many advantages to the careful buyer. They are made of all new high grade material in a large up-to-date, well equipped foundry. Every piece and part is carefully constructed by skilled workmen, carefully assembled and inspected before shipment. All furnaces are entirely set up when completed, the holes are drilled to match, the doors tight, and all parts must fit perfectly. Read the following specifications; you will then clearly see why you should buy a Harris Warm Air Heating System, with its many advantages, and no other:

Harris Furnaces are furnished with cast iron reversible radiators. The castings are extra heavy. The upper and lower sections are securely bolted together with asbestos between the joints, making an absolutely air tight construction. The fire and gases must pass completely around the circumference of the radiator, thus giving off all of the heat before passing up the chimney. The extra large clean-out openings permit thorough and easy cleaning of radiators without removing smoke pipe. All the radiators are constructed so that any fuel can be burnt without clogging. The smoke collars and clean-out collars are cast and extend through the casing.

The Ash Pit is large and roomy, allowing for an accumulation of ashes without danger of burning the grate bars. The grate is extra heavily constructed, bars are triangular type and clinkers can be quickly removed. Any of the bars can be removed or replaced in a minute's time—no tools necessary.

Ashpit or Draft Door is of butterfly type and can be regulated by means of damper chains from the living rooms. All furnaces are tapped for hot water coil.

The Casing Construction on Harris Furnaces is such as to conserve the greatest amount of heat possible. The outer casing is bright galvanized steel—26 gauge, lined with asbestos and corrugated tin which is riveted to the upper casing and which gives proper insulation. This method of construction forces all of the heat through the supply pipes to the living rooms and thus effects a large saving in fuel.

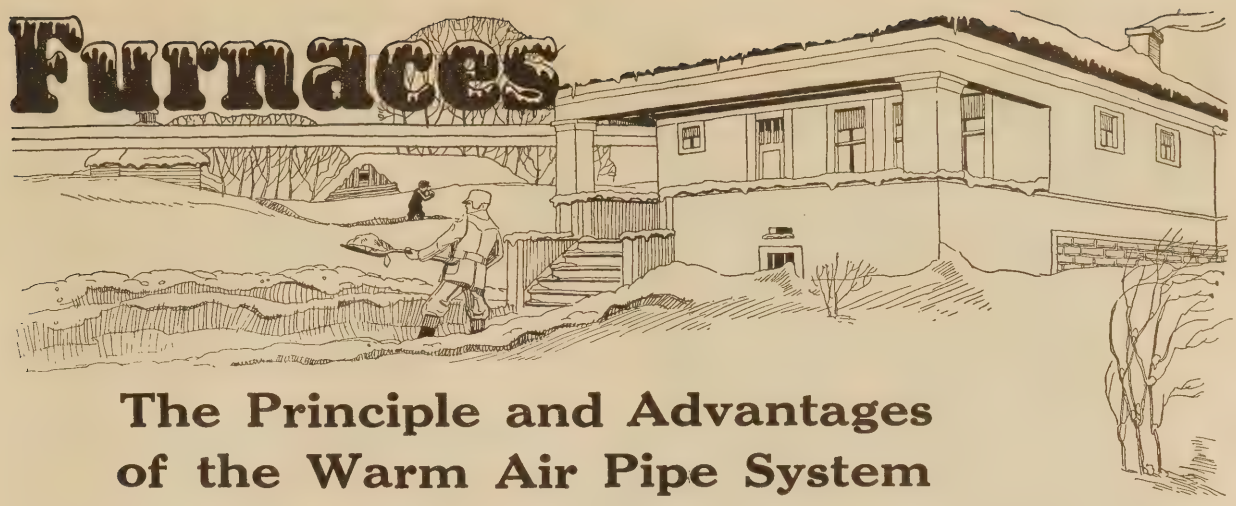
The Feed Section is extra heavy cast iron—designed to follow the cone shape of the fire. Built with an unusual amount of heating surface which guarantees maximum combustion.

The Fire Pot is in two parts, the sections being set together with deep grooves, thus allowing for expansion and contraction, which reduces the possibility of cracking to the minimum. We supply with each furnace sufficient cement to make all joints gas tight. The heavy corrugation of the fire pot gives greatest heating surface possible. The heating capacity of our furnaces is greatly increased by the extra depth of the fire pot.

Accessories. With each furnace we include, without extra charge, check draft, asbestos cement, water pan, poker, shaker handle, draft and regulating dial plate, chain and pulleys.

Prices and Specifications of Perfection Furnaces on Opposite Page

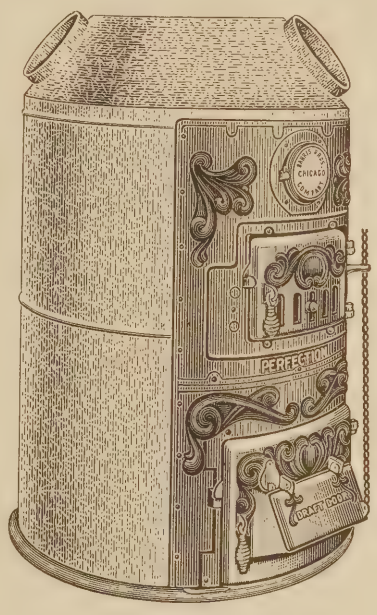
Furnaces



The Principle and Advantages of the Warm Air Pipe System

QUICK heat with an abundance of clean, moistened, healthful warm air circulating through all the rooms in your home, are some of the many desirable features which have made the Warm Air Heating System so popular. Aside from these advantages, an efficient, highly satisfactory Warm Air Heating System can be installed in less time, with less work and for considerably less money than a steam or hot water plant.

Warm Air Heating Systems are used everywhere for heating moderate size homes, stores, churches and schools. Where the furnace can be centrally located, a warm air plant always gives excellent results when installed according to the simple plans and easily understood instructions furnished free by our engineers.



In climates where there are quick changes in temperature only a low fire need be kept up on the mild days. Then, when there is a sudden drop in temperature, by simply opening the drafts, you can get almost instantaneous heat in all your rooms. The fresh air coming into the heating chamber through the cold air intakes and return register passes over the water pan, where it is cleaned and moistened. It is then heated in the upper part of the furnace, rising quickly through the pipes to the rooms above. As the air cools, it is led back to the furnace through the return air register, remoistened, recleaned, reheated and passed on to the rooms again. This insures even steady heat and good ventilation.

Our Expert Engineers Are Waiting to Help You

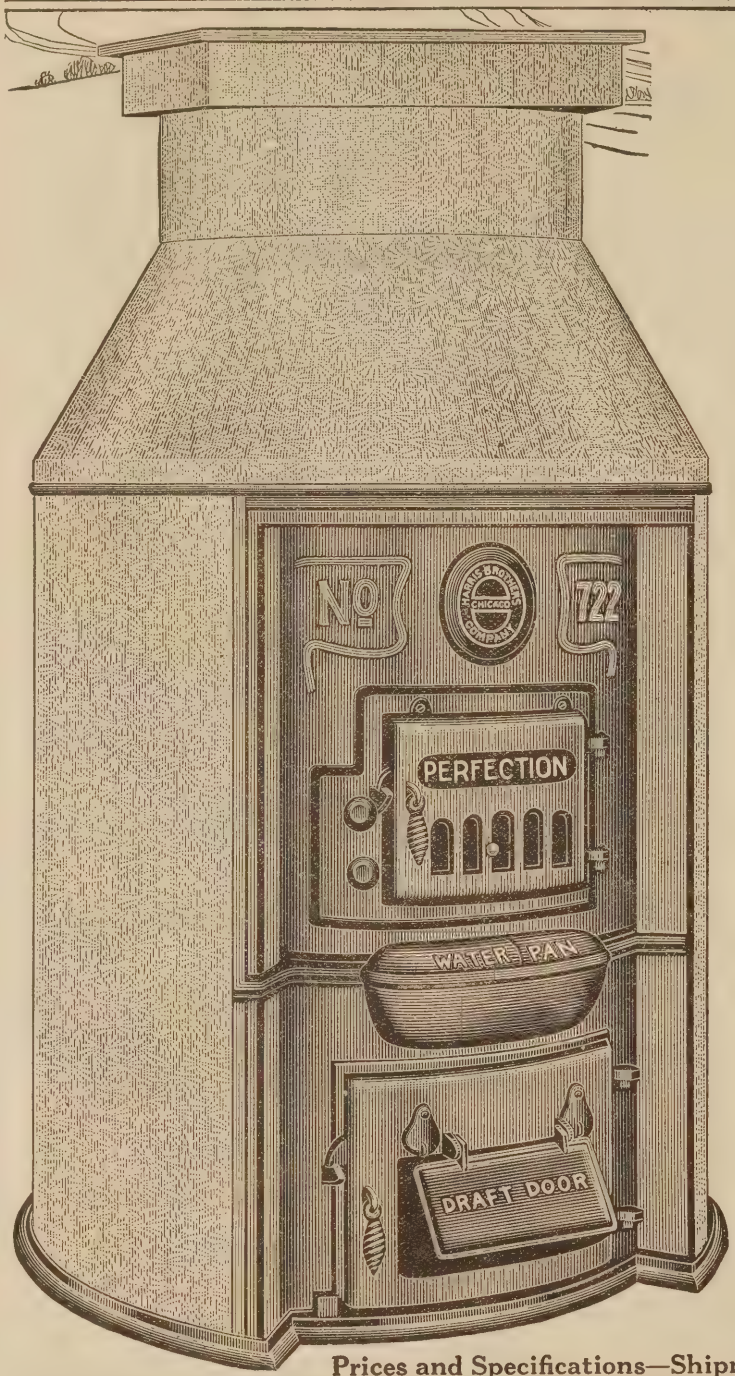
Simply send us a rough sketch of the layout of rooms in your house, indicating the size of all rooms. Our estimate will relieve you of all worry and responsibility. You can rest assured the plant we figure for you, including all the material for its installation, will heat your home satisfactorily, in all weather, with a substantial saving in fuel.

Specifications and Prices of Perfection Pipe Furnaces

Shipped from Factory in Central Illinois

Furnace Number	17-B-20	17-B-22	17-B-24	17-B-26	17-B-28	17-B-30
Heating Capacity, in cu. ft.	10,000	15,000	20,000	30,000	40,000	50,000
Diam. Fire Pot, in inches	20	22	24	26	28	30
Diam. Casing, in inches	34	38	42	46	50	54
Height casing, inches	45	47	49	53	56	59
Height of Radiator, in inches	15	15	15	15	15	15
Size of Feed Door, in inches	11x13	11x13	11x13	11x13	11x13	11x13
Diameter Smoke Pipe, in inches	8	8	8	9	10	10
Shipping Weight, in lbs.	700	900	1,100	1,300	1,600	1,800
Price with Cast Iron Radiator	**$70.00**	**$85.00**	**$103.00**	**$120.00**	**$150.00**	**$185.00**

Perfection ReCirculating



Read How the Re-circulating Feature Cuts Your Fuel Bill!

Good circulation is absolutely necessary to heat all the rooms in your home with a Warm Air Pipeless Furnace. To supply heat through one register in one room with no provisions to keep the air circulating is not sufficient. The air rising from the furnace will retain its velocity while it is hot, but as it cools, begins to fall and will return to the cold air intake on the outer part of the floor register.

The Harris Re-circulating Pipeless System with its cold air intake returning to the furnace heats all of the rooms quickly and evenly in the coldest weather and in re-circulating the air from the rooms less heat is required and less fuel needed to retain the steady even heat. This continuous circulation of air in all rooms mixing with the fresh air which comes into any house through doors and windows is a healthful advantage that should not be overlooked.

A particular advantage of Harris Re-circulating Furnaces is the unusually large cold air return. The outer casing being placed 8" from the inner casing allows a quick active return of the cold air from the rooms above which increases circulation and gives a constant flow of warm air through your living rooms.

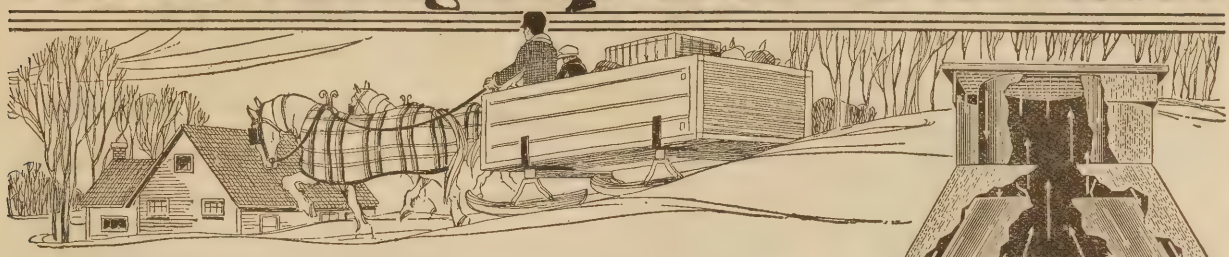
Built for Long Service!

"Harris" re-circulating double casing pipeless furnaces are built to give lifelong service. Made entirely of cast-iron with double casing made of heavy galvanized iron. The fire pot is made in two sections with deep corrugations. The triangular grate and all parts coming in direct contact with the fire are made of finest heavy cast-iron. The ash pit is large and deep to prevent damage to the grate from accumulated ashes. Extra large door to ash pit and extra large fuel door. Large water pan. Cast-iron parts are smooth and nicely finished. The galvanized casing is securely fitted and perfectly joined.

Prices and Specifications—Shipment from Factory in Central Illinois

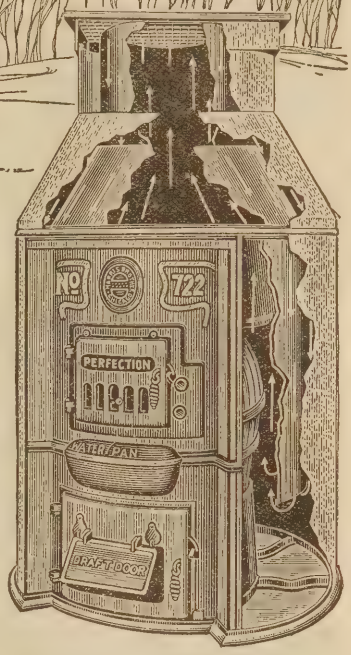
No.	Dia. Inner Casing	Dia. Outer Casing	Register Size	Dia. Hot Air Pipe	Heat Capacity Cubic Feet	Dia. Fire Pot	Size Feed Door	Dia. Smoke Pipe	Shipping Weight	Price
17-B-718	30 in.	38 in.	24 x 27	18 in.	10,000	18 in.	11 x 13	7 in.	900 lbs.	$ 77.00
17-B-720	34 in.	42 in.	30 x 30	22 in.	13,000	20 in.	11 x 13	8 in.	1,000 lbs.	93.00
17-B-722	38 in.	46 in.	34 x 34	26 in.	18,000	22 in.	11 x 13	8 in.	1,200 lbs.	110.00
17-B-724	42 in.	50 in.	36 x 36	28 in.	25,000	24 in.	11 x 13	8 in.	1,400 lbs.	132.00
17-B-726	46 in.	54 in.	40 x 40	30 in.	35,000	26 in.	11 x 13	9 in.	1,700 lbs.	158.00
17-B-728	50 in.	58 in.	44 x 44	32 in.	45,000	28 in.	11 x 13	10 in.	2,000 lbs.	225.00
17-B-730	54 in.	62 in.	44 x 48	36 in.	55,000	30 in.	11 x 13	10 in.	2,300 lbs.	250.00

Double Casing Pipeless Furnace



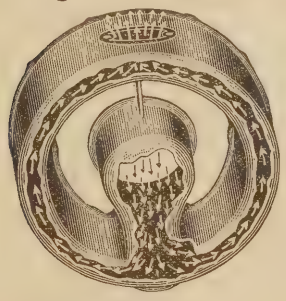
Every Nook and Corner of All Rooms Flooded with Clean Warm Air

Within a few moments after the fire is started, an abundance of warm air, cleaned and moistened from the water pan, rises quickly through one large register. This action naturally causes the cold air at the floor to fall, in a steady flow, toward the cold air intakes, where it is drawn in, cleaned, moistened, heated and passed on to the living rooms. In this way a continuous circulation is automatically started through all the rooms in your home—reaching to the farthest corners. All rooms adjoining the room in which the register is placed are evenly heated within a short time by simply opening the doors leading to them.



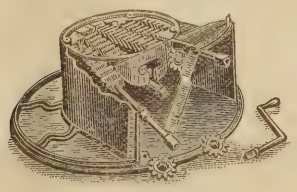
This sectional view shows clearly the extra large cold air return and the quick active warm air supply which increases circulation and prevents cold stagnant air pockets.

Large Cast Radiator



A special feature of "Harris" recirculating double casing pipeless furnaces will be found in the extra large all-cast radiators. The cross-section view above shows the fire traveling. Gas and smoke must pass around the entire circumference and give up most of their heat before reaching the chimney.

Best Triangular Grate



Here is the improved triangular grate with which these splendid furnaces are equipped. Any of the grate bars can be removed or replaced without disturbing the rest of the grate in a moment's time. There are no bolts or cotter pins to take out—no special tools necessary. The most practical and convenient grate devised.

Improvements!

The "Harris" pipeless furnace has been carefully designed to embody all newest and best improvements, and as it is offered to you today it overcomes all the objectionable difficulties found in other makes. These furnaces present in themselves a complete heating system. They are ideal for the home, store, church, school and hall or for any building where the furnace can be placed in the basement near the center of the building. This furnace is designed to heat your entire building to an even temperature, distributing clean, warm air to every corner.

One Register System

The heated air rises through the center part of the register and circulates through doorways to all rooms, continuing to rise and travel while heated, then falling and returning to the furnace. In this way an almost perfect circulation is continually maintained.

Efficient—Economical

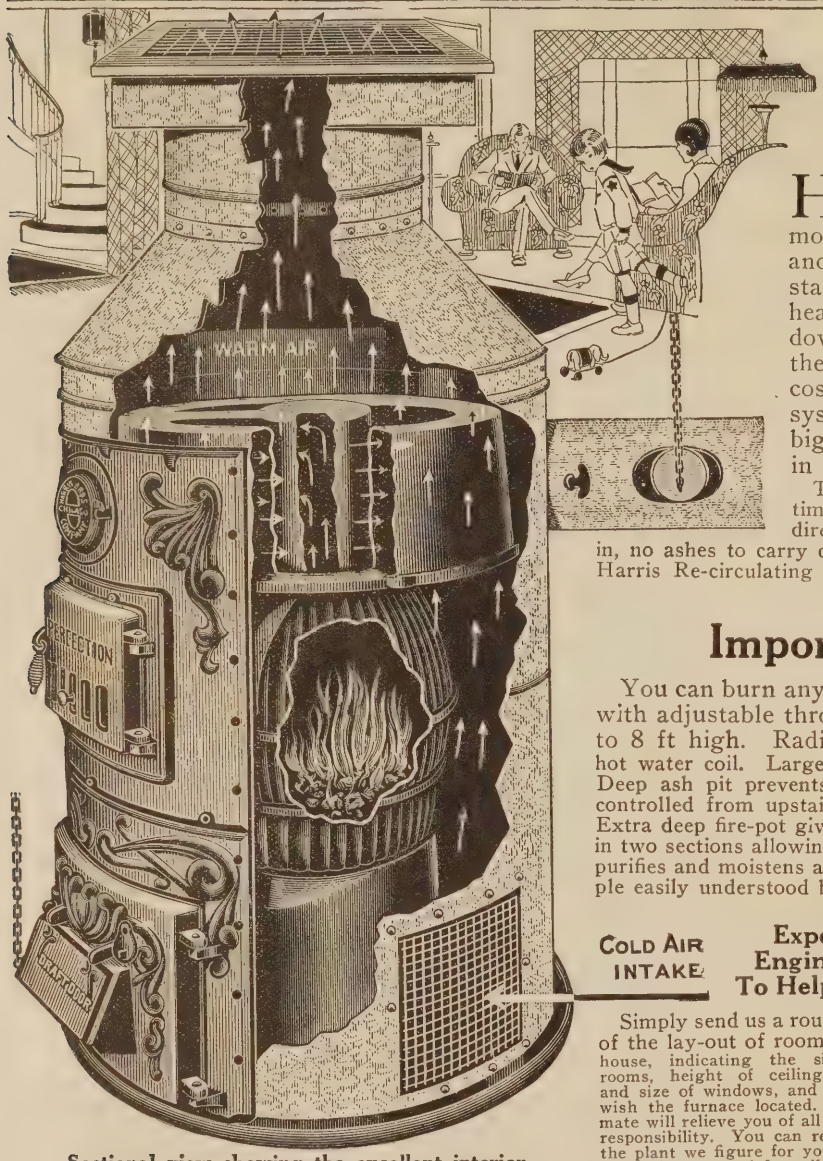
These splendid pipeless furnaces have been successfully installed and are giving thorough satisfaction in every part of the country. The principle of continuous circulation of heated, clean air to every corner is not only healthful but economical. There will be no stagnant air chambers in your home. When the heated air leaves the furnace, after giving up its heat, it returns to the furnace through the outer rim of the register, where it is cleaned, moistend and re-circulated through the heat register.

The Splendid One Register Heating System

With each Harris Pipeless Furnace we furnish a Black Japanned Finished Register of suitable size to supply an abundance of cold air to the furnace.

The outer casing is 26 gauge bright galvanized steel, lined with asbestos and galvanized corrugated steel.

Perfection Single Casing Pipeless Furnaces



Sectional view showing the excellent interior construction and air circulation.

Heat All Rooms Thru One Register

HARRIS Warm Air Re-circulating Pipeless Furnaces cost but little more than an ordinary heating stove, and are much easier handled and installed when you consider that your heating stove must be put up and taken down every six months or so. Besides the substantial saving in their low first cost, they are the most compact heating systems offered today. There are no big cumbersome pipes to take up room in your basement.

The heat is under complete control at all times and easily regulated from the room directly above the furnace. No coal to carry in, no ashes to carry out of your living rooms when you use a Harris Re-circulating Warm Air Pipeless Furnace.

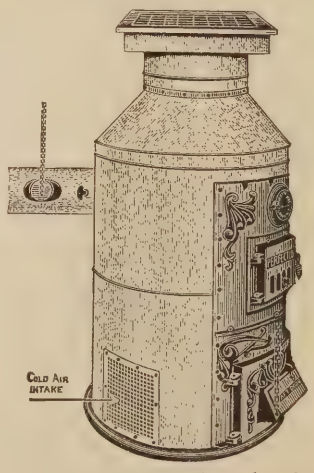
Important Features!

You can burn any kind of fuel with best results. Made with adjustable throat to fit in any basement from 6 ft. to 8 ft high. Radiator clean-out plug. Tappings for hot water coil. Large feed door. Triangular revolving grates. Deep ash pit prevents burned out grates. Draft and damper controlled from upstairs rooms. Cast iron reversible radiator. Extra deep fire-pot gives large heating capacity; corrugated and in two sections allowing for expansion. Large water pan, cleans, purifies and moistens air. Quick, easy installation with our simple easily understood blue-prints and instructions.

COLD AIR INTAKE

Expert Engineers To Help You

Simply send us a rough sketch of the lay-out of rooms in your house, indicating the size of all rooms, height of ceilings, number and size of windows, and where you wish the furnace located. Our estimate will relieve you of all worry and responsibility. You can rest assured the plant we figure for you will heat your home satisfactorily, in all weather.



Only one big centrally located register to comfortably heat all the rooms in your home; giving you more space in your living room which otherwise would be taken up by the stove, radiators and unnecessary registers.

Prices and Specifications of Furnaces Shipped from Factory in Central Ill.

Furnace Number	17-B-620	17-B-622	17-B-624	17-B-626	17-B-628	17-B-630
Heating Cap., in cubic feet	8,000	13,000	18,000	28,000	38,000	48,000
Diam. of Casing, in inches	34	38	42	46	50	54
Height to Top of Casing, in inches.	56	59	62	65	68	73
Height of Radiator, in inches	13	13	13	14	14	14
Diam. of Smoke Pipe, in inches	8	8	8	9	10	10
Size of Heating Register, in inches.	18x24	20x26	22x28	28x28	28x36	36x36
Inside Diam. of Fire Pot, in inches.	20	22	24	26	28	30
Shipping Weight, in pounds	817	991	1198	1465	1870	2110
Price, complete	$69.50	$81.50	$100.00	$121.00	$151.00	$180.00

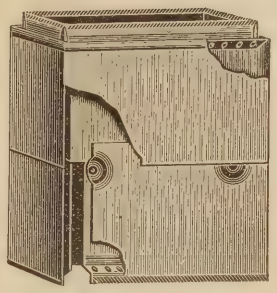
Improved Warm Air Furnace Equipment

The warm air furnace equipment on this and the following page present a careful selection. All improved features to increase the efficiency of warm air heating systems and simplify their installation.

Let Our Heating Engineers Help You

If you are planning to install a heating system and do not thoroughly understand all details of installation, you should take advantage of our Free Engineering service. Experts are waiting to help you.

Self - Locking DOUBLE Wall Pipe



No. 17-B-117
Adjustable Joint

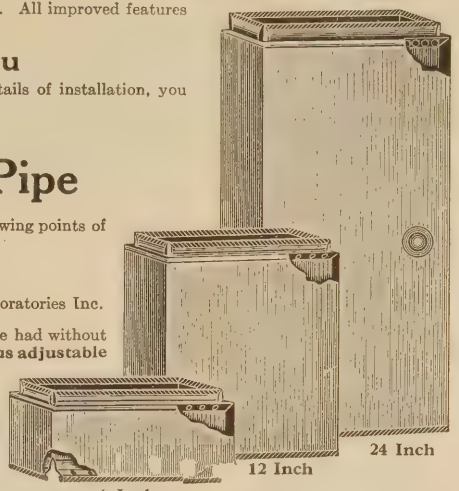
Our Self-Locking Double Wall Pipe possesses the following points of superiority:

1—Locks automatically and permanently,

2—Complies with all requirements of the Underwriters Laboratories Inc.

3—Any desired length, even to a fraction of an inch can be had without cutting. **This is accomplished by means of our ingenious adjustable joint No. 17-B-117 illustrated at the left.**

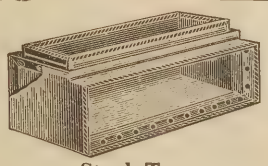
4—By using double wall pipe greatest efficiency can be obtained by saving 25 per cent, in transmitting heat as compared with single pipe wrapped with asbestos paper.



24 Inch
12 Inch
6 Inch
Illustrating three sizes of our self locking Double Wall Pipe

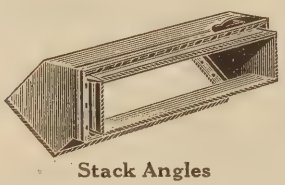
Low Prices!

Order by Number		17-B-14	17-B-16	17-B-17	17-B-18
Size of Pipe	Inside	2⅜x10 ins.	2⅜x12 ins.	3x10 ins.	3x12 ins.
	Outside	3x10⅝ ins.	3x12⅝ ins.	3⅝x10⅝ ins.	3⅝x12⅝ ins.
Sections 4 inches long		$0.33	$0.46	$0.33	$0.46
Sections 6 inches long		.46	.60	.46	.60
Sections 10 inches long		.60	.70	.60	.70
Sections 12 inches long		.65	.75	.65	.75
Sections 18 inches long		.88	1.05	.88	1.05
Sections 24 inches long		1.15	1.40	1.15	1.40
No. 17-B-117. Adjustable Joint		.65	.75	.65	.75



Stack Tees
17-B-116

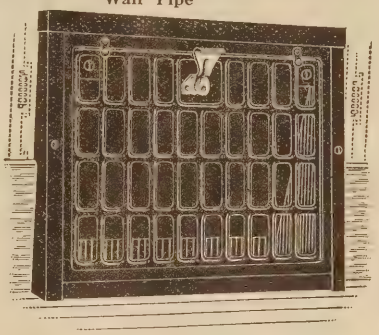
For 17-B-14 Wall Pipe	$ .87
For 17-B-16 Wall Pipe	1.08
For 17-B-17 Wall Pipe	.87
For 17-B-18 Wall Pipe	1.08



Stack Angles
17-B-21

For 17-B-14 Wall Pipe	$ .49
For 17-B-16 Wall Pipe	.54
For 17-B-17 Wall Pipe	.49
For 17-B-18 Wall Pipe	.54

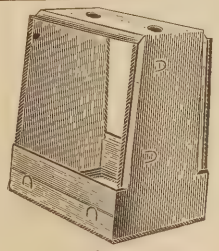
No.
17-B-132

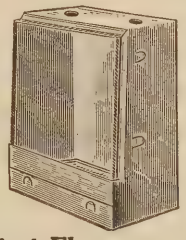


Base Board Registers

17-B-132. Newest and most efficient steel registers. This register can be attached to the tin box or stock head by means of straps for which holes have been provided. Wood screws are furnished with each register for attaching to studding.

Size	Black Japanned	Oxidized Cop.	Size	Black Japanned	Oxidized Cop.
8x10	$1.70	$3.00	10x12	$3.10	$4.15
9x12	2.50	3.35	11x13	3.75	5.65





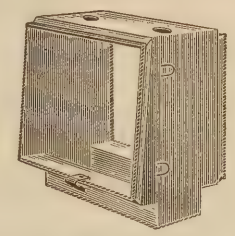
Stack Heads for First Floor

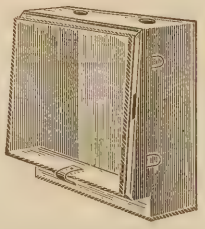
17-B-2. Stack Heads. For first Floor. Two Registers.

8x10	$1.90
9x12	2.10
10x12	2.10
11x13	2.25

17-B-1. Stack Head. For first Floor. One Register.

8x10	$1.60
9x12	1.85
10x12	1.85
11x13	2.00





Stack Heads for Second Floor

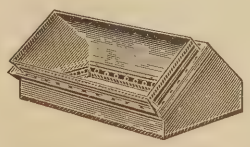
17-B-5. Stack Head. For second Floor. Two Registers.

8x10	$1.90
9x12	2.10
10x12	2.10

17-B-4. Stack Head. For second Floor. One Register.

8x10	$1.60
9x12	1.85
10x12	1.85

Angles for First Floor

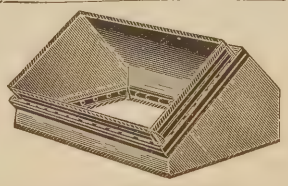


17-B-221. Angles. For use first Floor Stack Heads **17-B-1.**

8x10	$1.61
9x12	1.83
10x12	1.83
11x13	2.00

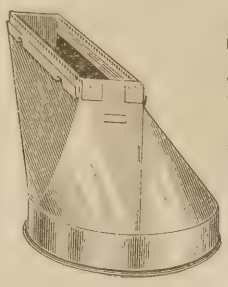
17-B-521. Angles. For use first Floor Stack Heads **17-B-2.**

8x10	$1.99
9x12	2.10
10x12	2.10
11x13	2.25

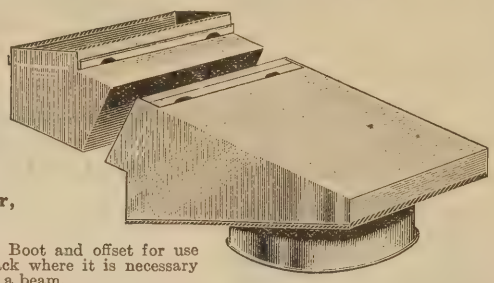


Prices on Single Stack Heads quoted on request

Warm Air Furnace Equipment and Supplies



SINGLE BOOTS for Wall Stacks and Stack Heads



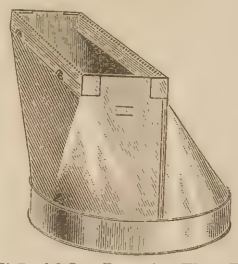
Boots cannot be furnished with collar, larger or smaller than indicated.

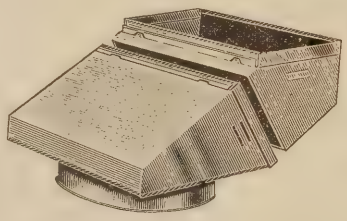
17-B-308. Boot for use with wall stacks:

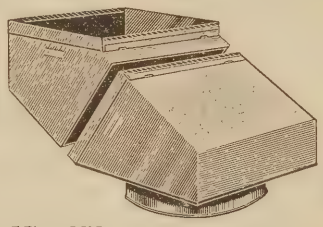
For **17-B-14** Wall Pipe, 7 inch collar **54c**
For **17-B-16** Wall Pipe, 8– 9 inch collar **62c**
For **17-B-17** Wall Pipe, 8– 9 inch collar **54c**
For **17-B-18** Wall Pipe, 9–10 inch collar **62c**

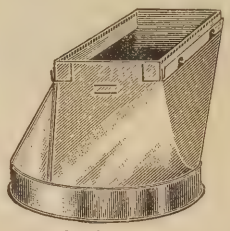
17-B-352. Boot and offset for use with wall stack where it is necessary to offset over a beam.

For **17-B-14** Wall Pipe, 7 inch collar **85c**
For **17-B-16** Wall Pipe, 8– 9 inch collar **95c**
For **17-B-17** Wall Pipe, 8– 9 inch collar **85c**
For **17-B-18** Wall Pipe, 9–10 inch collar **95c**









17-B-408. Boot for First Floor Stack Head No. 17-B-1.

Size, 8x10, 8 in. collar **65c**
Size, 9x12, 9 in. collar **74c**
Size, 10x12, 10 in. collar **74c**
Size, 11x13, 12 in. collar **88c**

17-B-452. Boot and offset for use with First Floor Stack Head 17-B-1, to offset over beam.

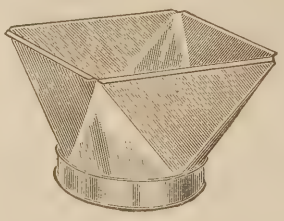
Size, 8x10, 8 in. collar **$1.20**
Size, 9x12, 9 in. collar **1.35**
Size, 10x12, 10 in. collar **1.35**
Size, 11x13, 12 in. collar **1.55**

17-B-652. Boot and offset for use with First Floor Stack Head 17-B-2 to offset over beam.

Size, 8x10, 8 in. collar **$1.21**
Size, 9x10, 9 in. collar **1.35**
Size, 10x12, 10 in. collar **1.35**
Size, 11x13, 12 in. collar **1.56**

17-B-608. Boot for First Floor Stack Head 17-B-2.

Size, 8x10, 8 in. collar **$0.77**
Size, 9x12, 9 in. collar ..... **.86**
Size, 10x12, 10 in. collar ..... **.86**
Size, 11x13, 12 in. collar **1.00**

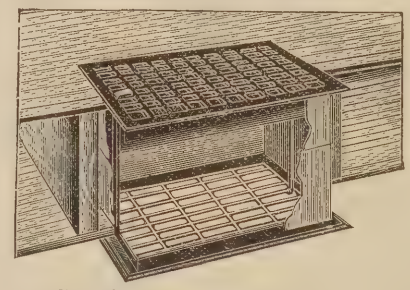


Register Box

17-B-601. Register Box for First Floor Floor Registers.

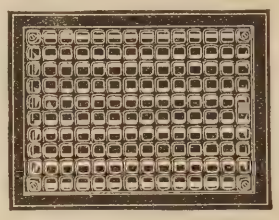
Size, 8x10, 8 in. collar **$0.46**
Size, 9x12, 9 in. collar ..... **.49**
Size, 10x12, 10 in. collar ..... **.55**
Size, 12x15, 12 in. collar ..... **.74**
Size, 14x20, 14 in. collar **1.54**

Adjustable Ventilators



17-B-602. Adjustable Ventilators. Adjustable from 7 to 12 inches, supplied with Black Japanned Register at top and White Japanned Register Face at bottom.

Size, 8x10 ..... **$3.70**
Size, 9x12 ..... **4.50**
Size, 10x12 ..... **$5.35**
Size, 12x14 ..... **8.40**

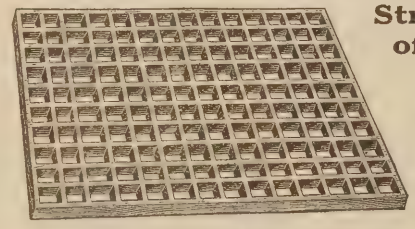


Floor Register

17-B-600. Floor Register.

Size	Register	Border
8x10	$1.40	$0.95
9x12	1.75	1.20
10x12	2.00	1.40
12x15	3.75	2.40
14x20	8.00	4.00

Return Air Register Face



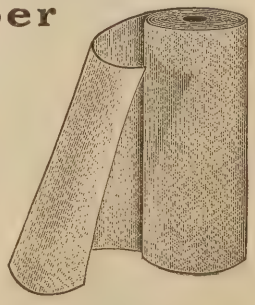
Strongly made of Select Oak

Eight Sizes

17-B-700. Oak Return Air Face.

16x24 ..... **$1.60**
20x24 ..... **2.00**
14x30 ..... **1.75**
16x30 ..... **2.00**
18x30 ..... **$2.25**
20x30 ..... **2.50**
24x30 ..... **3.00**
30x30 ..... **3.75**

Asbestos Paper



17-B-710. A fireproof material made of natural, mineral asbestos fibre. It is very soft and pliable. It is usually applied with starch paste or the special asbestos paste listed below.

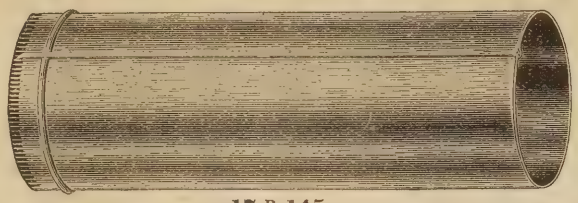
In addition to covering hot air pipes, asbestos paper can be used for covering ceilings, walls, partitions, exposed to heat. I comes in rolls 36 inches wide, weighing about 1 lb. to the sq. yd.

100 pound rolls, each **$10.00**
50 pound rolls, each **5.50**

Asbestos Paste

17-B-712. Asbestos Paste for applying asbestos paper to pipes. Comes in 2½ pound packages. Per package **60c**

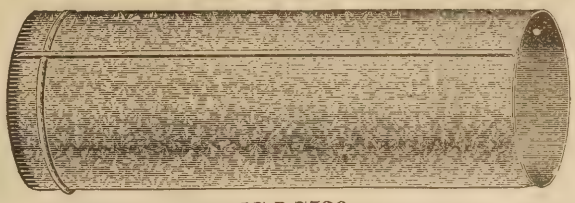
Select Material of Best Manufacture



17-B-145.

Warm Air Tin Pipe

7 inch, per foot	24c	10 inch, per foot	30c
8 inch, per foot	25c	12 inch, per foot	35c
9 inch, per foot	26c	14 inch, per foot	64c

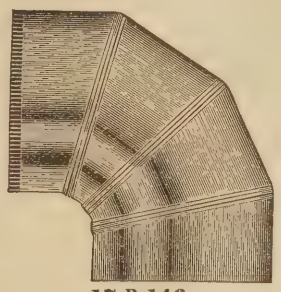


17-B-7530.

26 Gauge Galvanized Smoke Pipe

6 inch, per foot	30c	9 inch, per foot	33c
7 inch, per foot	31c	10 inch, per foot	36c
8 inch, per foot	32c	12 inch, per foot	39c

Warm Air Tin Pipe and Galvanized Smoke Pipe, made in two foot lengths only.

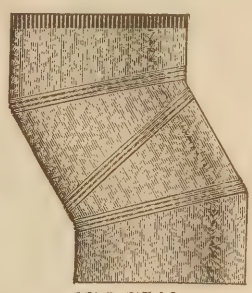


17-B-146.

Adjustable Warm Air Tin Elbows

7 inch, each	33c
8 inch, each	35c
9 inch, each	39c
10 inch, each	46c
12 inch, each	77c

All Pipe Perfectly Made Easily Jointed and Tight



17-B-7540.

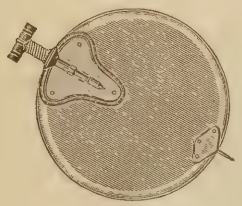
26 Gauge Adjustable Galvanized Smoke Elbows

6 inch, each	$0.40
7 inch, each	.46
8 inch, each	.54
9 inch, each	.62
10 inch, each	.77
12 inch, each	1.08

Other Desirable Features

Our Hot Air and Smoke Pipe comes in two foot lengths. Shipped knocked down. Each section is formed and shaped all ready to be locked in position and connected. By shipping this pipe knocked down and packed solid in a bundle it takes a much lower freight rate.

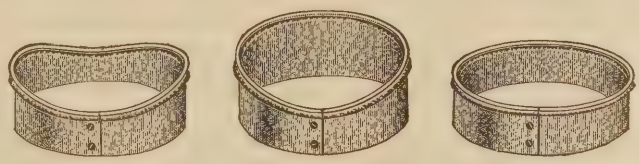
Steel Warm Air Dampers



17-B-147.

7 inch, per foot	23c
8 inch, per foot	25c
9 inch, per foot	28c
10 inch, per foot	31c
12 inch, per foot	46c
14 inch, per foot	62c

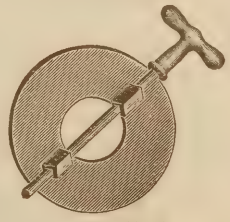
Warm or Cold Air Pipe Collars



Collars for attaching Hot Air and Cold Air Pipe to furnace.

Top Bonnet Collar 17-B-148		Pitch Bonnet Collar 17-B-149.		Side Bonnet Collar 17-B-150.	
7 inch, each	28c	7 inch, each	28c	10 inch, each	35c
8 inch, each	31c	8 inch, each	31c	12 inch, each	40c
9 inch, each	35c	9 inch, each	35c	14 inch, each	45c
10 inch, each	39c	10 inch, each	39c	16 inch, each	65c
12 inch, each	46c	12 inch, each	46c	18 inch, each	75c
14 inch, each	56c	14 inch, each	56c	20 inch, each	95c

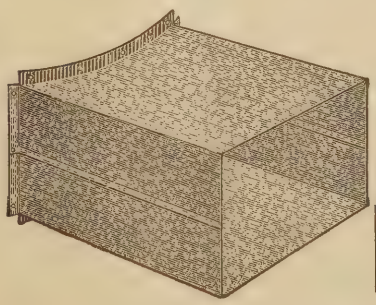
Cast Iron Smoke Dampers



17-B-7535.

6 inch, each	45c
7 inch, each	46c
8 inch, each	63c
9 inch, each	78c
10 inch, each	95c
12 inch, each	$1.10

Rectangular Return Air Shoe



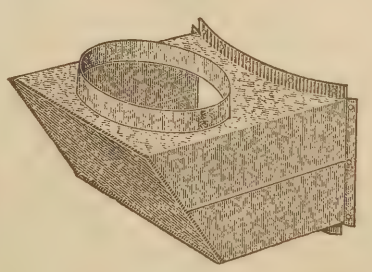
17-B-701. Return Air Shoe. For Rectangular Duct. Made of galvanized iron.

Size, 10x16 in., ea.	$2.70
Size, 12x18 in., ea.	2.80
Size, 13x20 in., ea.	3.20
Size, 14x23 in., ea.	3.60
Size, 15x26 in., ea.	4.25

Round Return Air Shoe

17-B-702. Return Air shoe. For Round Ducts. Made of galvanized iron.

10x16 in., 14 in. collar. Each	$3.50
12x18 in. 16 in. collar. Each	$3.90
13x20 ins., 18 in. collar Each	$4.50
14x23 ins., 20 in. collar. Each	$5.25
15x26 ins., 22 in. collar. Each	$5.50

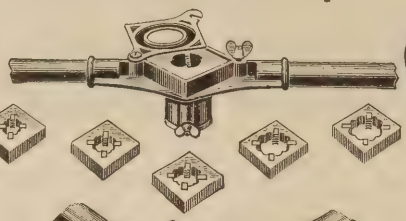


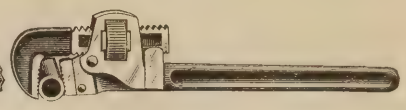
When ordering return air shoes give casing diameter of furnace.

Tools to Install Heating Plants

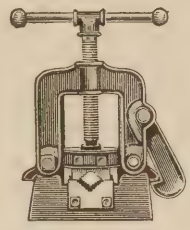
Chain Wrench for Large Pipe.

Stock & Dies for Small Pipe.

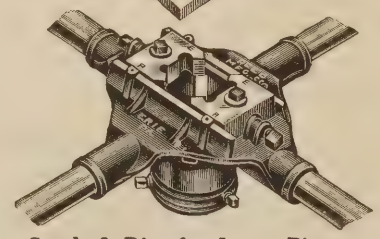




Pipe Wrench for Small Pipe.



Pipe Vise.



Pipe Cutter.

Stock & Dies for Large Pipe.

The tool sets below have been carefully assembled to give our customers a complete equipment of best tools for the installation of Heating Systems. After you have decided upon the set you will need to complete your work, you will find by comparison that the low prices we are asking offer a substantial saving. The tools included in these outfits are of high grade quality and with ordinary care will give you long service. If you wish to do so, we will allow you the privilege of returning tool sets described below after you have finished installing your heating plant and will refund you for all tools returned in good condition, 90 per cent of the purchase price. This nominal charge of 10 per cent for the use of the tools barely covers our expense in handling.

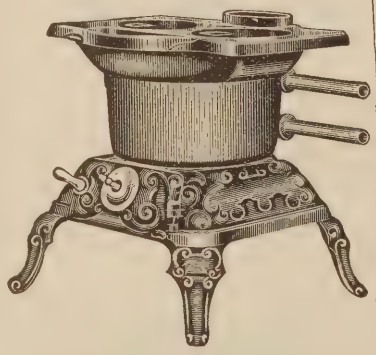
Complete Sets of Heating Plant Tools

4-B-100. The following tools are all of the finest quality and this set is recommended for use in installing heating plants where pipe not larger than 2 inches in diameter is used. The set consists of:
1 Pipe Vise for up to 2½ inch pipe.
1 Stock and Dies for ¼ to 1 inch pipe.
1 Stock and Dies for 1¼, 1½ and 2 inch pipe.
1 14 inch Pipe Wrench, takes ½ to 1½ inch pipe.
1 18 inch Pipe Wrench, takes ½ to 2 inch pipe.
1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
1 Pipe Cutter, cuts ⅛ to 1 inch pipe.
$23.50

4-B-101. Tools all of finest quality. This set is recommended for installing heating plants where pipe up to 3 inches in diameter is used. The set consists of:
1 Pipe Vise, takes ⅛ inch to 3 inch pipe.
1 Stock and Dies, takes ¼ inch to 1 inch pipe.
1 Stock and Dies, takes 1¼, 1½ and 2 inch pipe.
1 Stock and Adjustable Dies for 2½ and 3 inch pipe.
1 14 inch Pipe Wrench for ¼ to 1½ inch pipe.
1 18 inch Pipe Wrench for ½ to 2 inch pipe.
1 27 inch Chain Wrench for 1¼ to 3 inch pipe.
1 Pipe Cutter, cuts ⅛ inch to 1 inch pipe.
1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
1 Pipe Cutter, cuts 2 inch to 3 inch pipe.
$60.00

For additional tools not shown above, we refer you to quotations in the Hardware Section of this catalog.

2-Hole Water Heating LAUNDRY STOVE



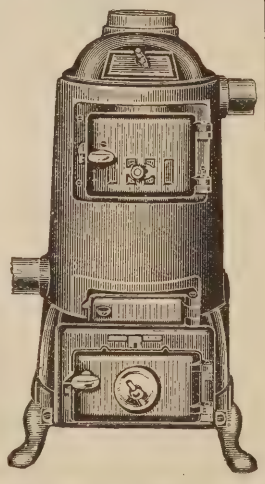
Made With Hollow Water Heating Firepot

17-B-350. Strongly built of smooth gray iron castings; hollow water heating fire pot. Inside diameter of fire pot at top, 10¾ inches. Diameter of grate, 8 inches. Size of top, 14x20 inches. 1 inch pipe connection. 6 inch pipe collar.
Price.....**$11.75**

17-B-800. Extra heavy 11¾ inch diameter fire pot at top. 9½ inch grate. Size of top, 21x23.
Price.....**$15.25**

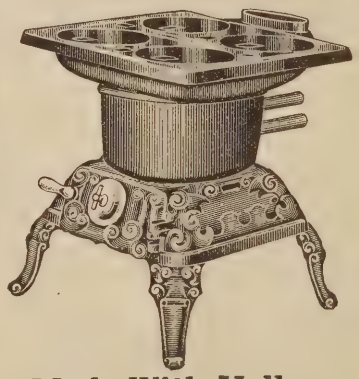
TANK HEATERS

$31.50



17-C-100. Cast Iron Tank Heater. An excellent heater where a steady flow of hot water is required. Water in barrel is all around fire which insures quick heating of the water and practically an unlimited supply. Inlet for water is on left side at bottom of water barrel. Outlet is on right side top of water barrel. Heater is substantially constructed and strongly reinforced. Large fire door at front insures convenient feeding. Nickeled trimmings. Made of the very best gray iron castings. Diameter of grate, 10 inches. Diameter of fire pot at bottom, 14½ inches. Height of water barrel, 18 inches. Height from floor to top of smoke dome, 36 inches. Tank capacity, 200 gallons. Size of smoke pipe, 5 inches. Size of inlet and outlet, 1½ inches. Weight, 235 lbs.
Price.....**$31.50**

4-Hole Water Heating LAUNDRY STOVE



Made With Hollow Water Heating Firepot

17-B-150. Four hollow water heating laundry stove. Four 8 inch lids. Inside diameter of fire pot at top, 10¾ inches. Diameter of grate, 8 inches. Size of top, 20x22. 100 gallon capacity. 1 inch connection.
Price.....**$13.25**

17-B-1800. Extra heavy four hole water heating laundry stove. Inside diameter of fire pot at top, 11¾ inches. 9½ inch grate. Size of top, 22x24.
Price.....**$17.75**

HARRIS TWIN POST CEMETERY ARCH

Nothing can be more appropriate for a roadway into a Cemetery than one of our beautiful Arches with the name of the Cemetery in beautiful White Enameled letters printed across the top.

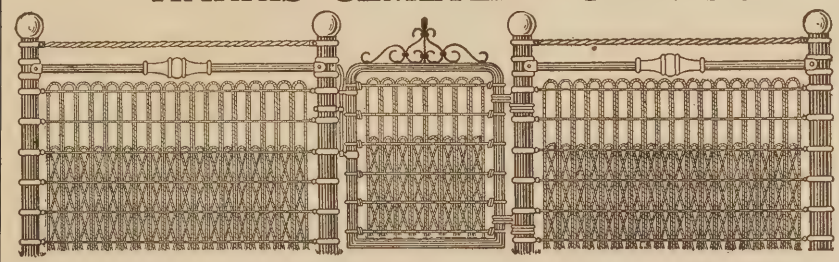
The "Harris" Twin Post Cemetery Arch is made up with two upright posts on each side, measuring 1¾ inches in diameter. These posts are placed 12 inches apart. The spaces between, divided into vertical sections by short pieces of pipe which act as braces to the posts. These vertical sections are filled with neat and attractive scroll work.

The "Top" of the "Harris" Arch is mounted with a beautiful scroll pattern and is filled with one of our most beautiful designs of Ornamental Wire Fabric. We also place in the corners beneath the top an elegant pattern of scroll work. Each post is fitted with a heavy cast iron base and neat white enameled Ornament on the top. We put the name of your Cemetery on the top of the Arch in beautiful White Enameled Letters, without additional cost.

2-C-9501. Harris Twin Post Cemetery Arch..... **$72.00**

For $24.00 additional, we will send an Arch with upright posts 2½ inches in diameter. The price quoted is for driveway 8, 10 and 12 ft., but does not include the gates. For prices on Gates, see pages in this Catalogue.

HARRIS CEMETERY GRAVE LOT ENCLOSURE

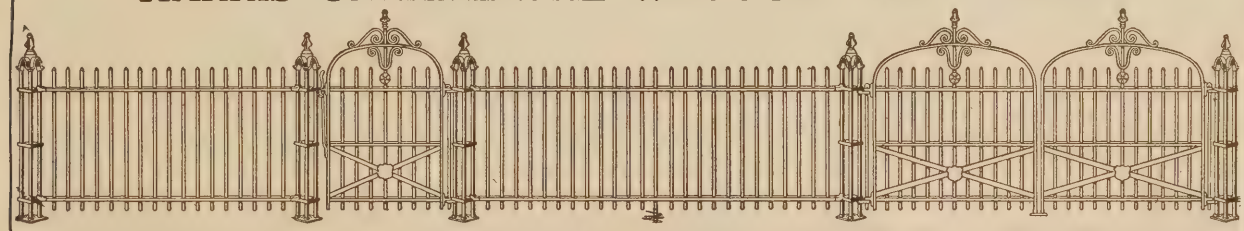


Beautify and protect your Burial Lot with Ideal Grave Lot Enclosure; regardless of whether or not the Cemetery is fenced. Adds wonderfully to the appearance of your burial lot and general surroundings.

We use the same posts, railing, fabrics and fittings as described in our "Harris Premier" Ornamental Fence. This Fence is made in one height only, 36-inch, filled with a 30-inch fabric, making a very practical enclosure. The highest grade of galvanizing is used in the manufacture of this Fence—will outwear many of the higher priced fences. Prices below include one walk gate, 3 ft. wide.

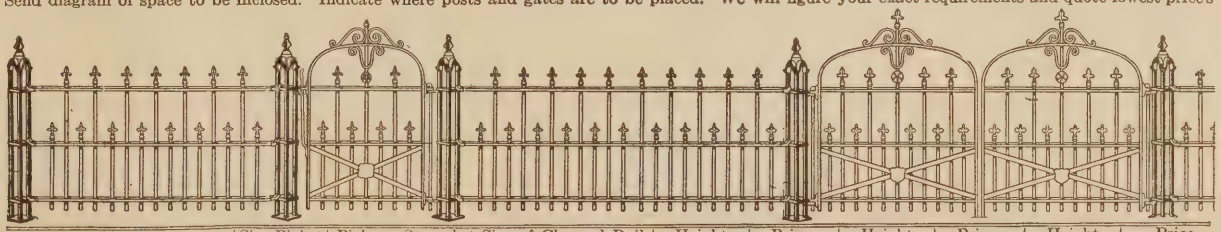
Lot No. 2-B-9121. 8x10 ft. enclosure, 36 in. high..... **$21.60**
Lot No. 2-B-9141. 8x15 ft. enclosure, 36 in. high..... **27.60**
Lot No. 2-B-9161. 8x20 ft. enclosure, 36 in. high..... **33.60**
Lot No. 2-B-9171. 10x12 ft. enclosure, 36 in. high..... **$26.40**
Lot No. 2-B-9181. 10x15 ft. enclosure, 36 in. high..... **30.00**
Lot No. 2-B-9191. 20x20 ft. enclosure, 36 in. high..... **48.00**

HARRIS ORNAMENTAL WROUGHT IRON FENCE



	Picket	Spaced Apart	Size of Chan. Rail	Height	Price	Height	Price	Height	Price	Height	Price	Height	Price
2-B-1062...	⅜ in.	4 in.	1¼x½ in.	37 in.	.....	42 in.	.....	48 in.	.....		.....		.....
2-B-1066...	½ in.	4 in	1¼x½ in.	37 in.	.....	42 in.	.....	48 in.	.....		.....		.....
2-B-1068...	⅝ in.	5 in.	1½x½ in.	37 in.	.....	42 in.	.....	48 in.	.....	54 in.	.....	60 in.	.....
2-B-1070...	¾ in.	5 in.	1½x½ in.	37 in.	.....	42 in.	.....	48 in.	.....	54 in.	.....	60 in.	.....

Send diagram of space to be inclosed. Indicate where posts and gates are to be placed. We will figure your exact requirements and quote lowest prices



	Size, Picket	Pickets Spaced	Size of Channel Rail	Height	Price	Height	Price	Height	Price
2-B-1001.....	⅜ in.	4 in.	1¼x½ in.	37 in.	.....	42 in.	.....	48 in.	.....
2-B-1005.....	½ in.	4 in.	1¼x½ in.	37 in.	.....	42 in.	.....	48 in.	.....

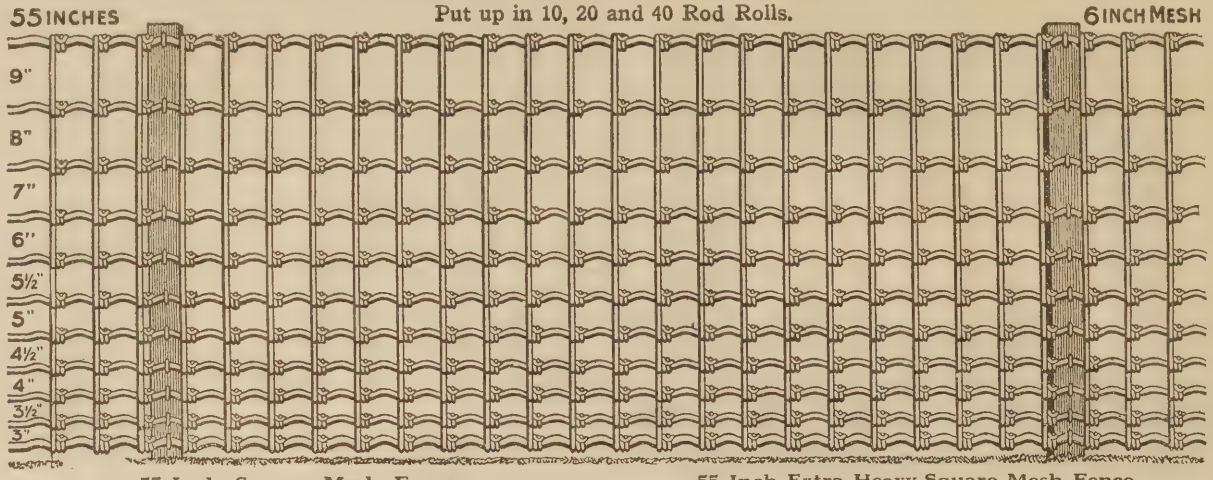
The above prices are for a lineal foot, including line posts.
☞ Corner, end and gate posts are extra.
Extra for corner, end and gate posts, 37 ins., 42 ins., 48 ins., 54 ins., 60 ins.

When figuring cost of Fencing, measure full opening, including gates corner, end and gate posts, then add each for single gates, 3 ft. 2 in. wide each for double gates, 8 ft. 2 in. wide, and extras for posts as shown above

HARRIS SQUARE MESH FENCE

You will find this to be a very durable fencing. It is made of open hearth steel galvanized with the best quality of pure zinc spelter. This fencing has uniform tension curves in the line wires, which provide amply for contraction and expansion, due to changes in temperature, and keep the fence straight and tight during all seasons of the year. The fence will stretch evenly and perfectly over either level or hilly ground.

Put up in 10, 20 and 40 Rod Rolls.

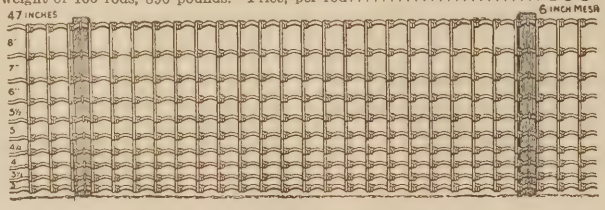


55-Inch Square Mesh Fence

11 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge High Carbon Hard Steel Coiled Spring intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 9 inches at the top. Approximate weight of 100 rods, 1,120 pounds. Shipped from factory near Chicago.

2-C-111. 55-inch "HARRIS" fence. Price, per rod..... **72c**

2-B-101. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 890 pounds. Price, per rod..... **46c**



47-Inch Harris Square Mesh Fence

10 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 8 inches at the top. Approximate weight of 100 rods, 1,020 pounds. Shipped from factory near Chicago.

2-B-113. 47-inch "HARRIS" fence. Price, per rod..... **64c**

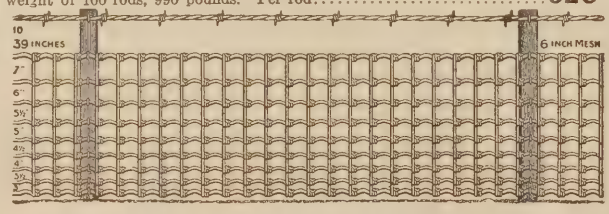
2-B-103. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 810 pounds. Per rod..... **48c**

47-Inch Extra Heavy Harris Square Mesh Fence

10 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. Spaces between line wires vary from 3 inches at the bottom to 8 inches at the top. Approximate weight of 100 rods, 1,280 pounds.

2-B-113½. 47-inch "HARRIS" fence. Per rod..... **68c**

2-B-103½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 990 pounds. Per rod..... **52c**



39-Inch Harris Square Mesh Fence

9 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 7 inches at the top. Approximate weight of 100 rods, 920 pounds. Shipped from factory near Chicago.

2-B-115. 39-inch "HARRIS" fence. Price, per rod..... **49c**

2-B-105. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 700 pounds. Per rod..... **44c**

39-Inch Extra Heavy Harris Square Mesh Fence

9 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 7 inches at the top Approximate weight of 100 rods, 1,120 pounds. Shipped from factory near Chicago.

2-B-115½. 39-inch "HARRIS" square mesh fence. Per rod..... **60c**

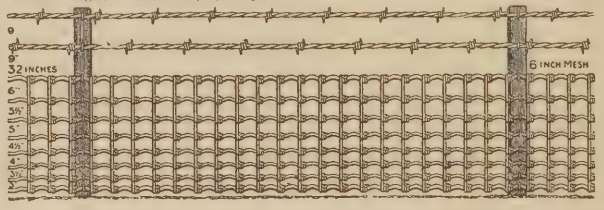
2-B-105½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 890 pounds. Per rod..... **46c**

55-Inch Extra Heavy Square Mesh Fence

11 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 9 inches at the top. Approximate weight of 100 rods, 1,410 pounds.

2-C-111½. 55-inch "HARRIS" fence. Price, per rod..... **85c**

2-B-101½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 1,100 pounds. Per rod..... **56½c**



32-Inch Harris Square Mesh Fence

8 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 6 inches at the top. Approximate weight of 100 rods, 830 pounds. Shipped from factory near Chicago.

2-B-117. 32-inch "HARRIS" fence. Price, per rod..... **49c**

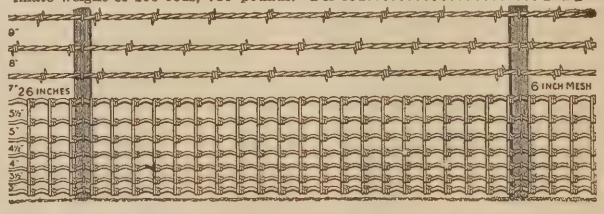
2-B-107. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 650 pounds. Per rod..... **32½c**

32-Inch Extra Heavy Harris Square Mesh Fence

8 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 11 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 6 inches at the top. Approximate weight of 100 rods, 980 pounds.

2-B-117½. 32-inch "HARRIS" square mesh fence. Per rod..... **52½c**

2-B-107½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 750 pounds. Per rod..... **34½c**



26-Inch Harris Square Mesh Fence

7 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 12 gauge intermediate line wires. No. 12 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 5½ inches at the top. Approximate weight of 100 rods, 720 pounds. Shipped from factory near Chicago.

2-B-119. 26-inch "HARRIS" fence. Price, per rod..... **44c**

2-B-109. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 580 pounds..... **29c**

26-Inch Extra Heavy Harris Square Mesh Fence

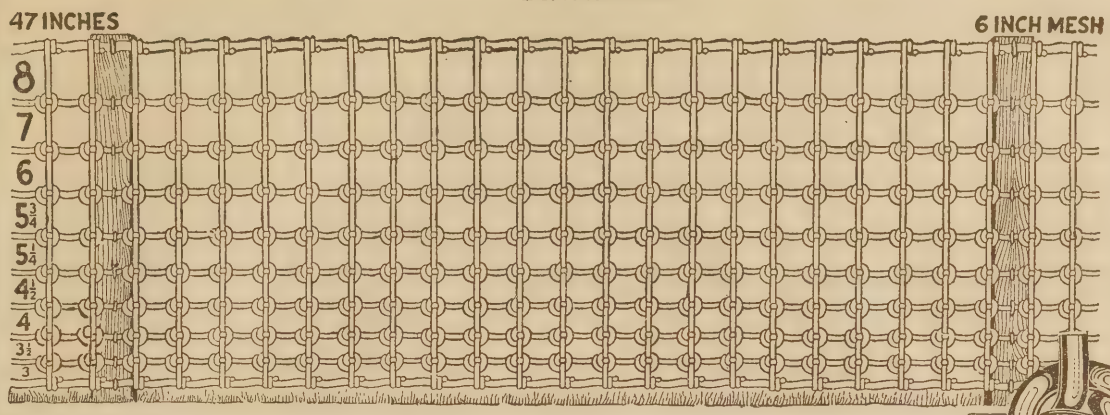
7 wires high. Stays 6 inches apart. No. 9 gauge High Carbon Hard Steel Coiled Spring wires at the top and bottom. No. 11 gauge intermediate line wires. No. 11 gauge stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires vary from 3 inches at the bottom to 5½ inches at the top. Approximate weight of 100 rods, 850 pounds. Shipped from factory near Chicago.

2-B-119½. 26-inch "HARRIS" square mesh fence. Price, per rod... **45c**

2-B-109½. Same as above, but with stays 12 inches apart. Approximate weight of 100 rods, 680 pounds. Per rod..... **34c**

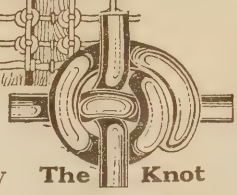
Heavy Farm Fences—All No. 9½ Wire!

Galvanized



For Strength and Long Lasting Service!

The designers of Perfection Farm Fences have carefully regarded every detail of construction to produce a fence that will endure under the most severe conditions. The open hearth steel wire is all extra heavy No. 9½ with a thick coating of galvanizing insuring strength and long life. An ingenious knot properly designed and tied to allow for uneven ground and climatic changes holds the line and stay wires firmly in place. Four heights to choose from covering every farm fence requirement. Perfection fencing put up in 10 and 20 rod rolls.



The Knot

Securely wrapped about the line and stay wires; prevents slipping; not too close to avoid air circulation. Permits any moisture to dry quickly. Fence adjusts itself over uneven ground and provides for expansion and contraction.

Size of Wire

Margin wires, line wires and stay wires are all made of heavily galvanized open hearth No. 9 steel wire (actual size above).

Perfection 47-inch High Giant Farm Fence!

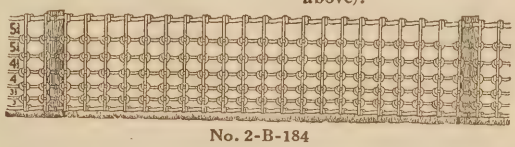
2-B-183. Made to meet the demand for a high fence for pastures to turn hogs and cattle. A strong, serviceable, safe fence.

CONSTRUCTION: The top, bottom, line and stay wires are all No. 9½ gauge, all high quality Open Hearth steel, heavily galvanized, stays spaced 6 inches apart (32 to the rod). The high carbon steel wires with the tension curves, keep the Fence tight at all times. Spacing between the line wires 3, 3½, 4, 4½, 5¼, 5¾, 6, 7 and 8 inches. Weight per 100 rods, 1890 lbs. Per rod..... **98c**

Perfection 26-inch High Farm Fence

2-B-184. Perfection low Fencing heavily and strongly made to turn hogs, sheep and small animals. By adding two or three strands of barbed wire above this Perfection Fence, the increased height gained presents a general purpose farm fence.

CONSTRUCTION: The top, bottom, line and stay wires, all No. 9½ gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves keep this fence tight under all conditions. Spacing between line wires, 3, 3½, 4, 4½, 5¼ and 5¾ inches. Weight per 100 rods, 1200 lbs.



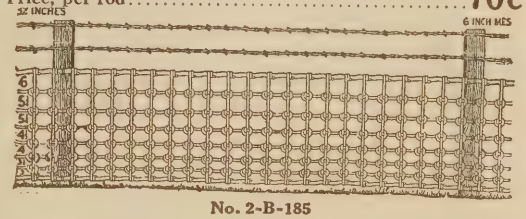
No. 2-B-184

Perfection Fencing 26 inches high is put up in 10, 20 and 30 rod rolls.
Price, per rod..... **70c**

Perfection 32-inch High Farm Fence

2-B-185. Medium high, Farm Fencing, embodying all features of "Perfection" Fence, strength and durability. A splendid fenee for hogs and small cattle enclosures. By adding two strands of barbed wire at top, it is converted into a general farm fence of sufficient height to turn larger cattle.

CONSTRUCTION: The top, bottom, line and stay wires, all No. 9½ gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves keep this fence in perfect shape at all times. Spacing between line wires, 3, 3½, 4, 4½, 5¼, 5¾ and 6 inches. Weight per 100 rods, 1420 lbs.



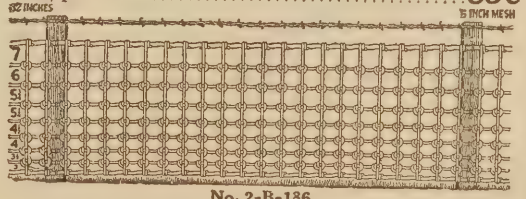
No. 2-B-185

Perfection Fencing 32 inches high is put up in 10, 20 and 30 rod rolls.
Price, per rod..... **83c**

Perfection 39-inch High Farm Fence

2-B-186. Perfection High Fencing, identically the same as our Giant Perfection Fence at top of page, except that it is made 8 inches lower. Extra height can be gained and a feature of protection and safety added by using one strand of barbed wire at top. Suitable for all farm enclosures to turn large and small animals.

CONSTRUCTION: The top, bottom, line and stay wires are all No. 9½ gauge, stays spaced 6 inches apart (32 to the rod). High carbon steel wires with tension curves hold this fence tight at all times. Spacing between wires, 3, 3½, 4, 4½, 5¼, 5¾, 6 and 7 inches. Weight per 100 rods, 1680 lbs.

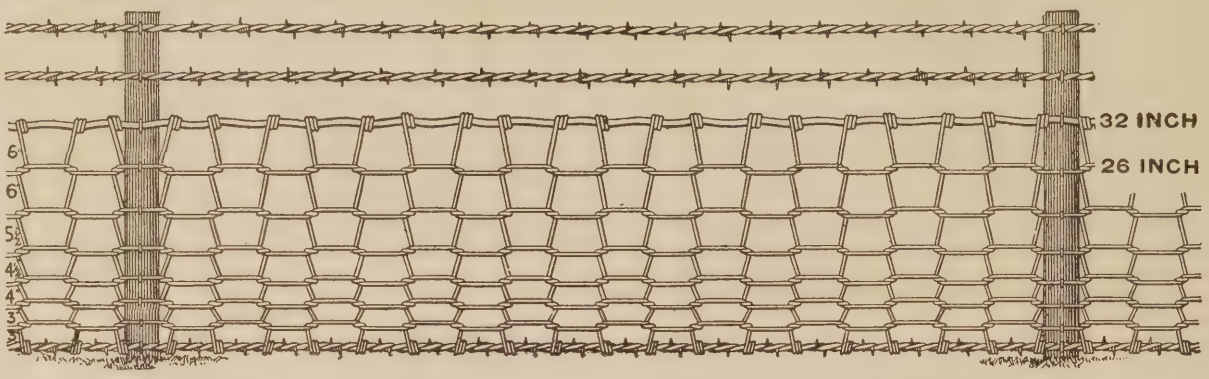


No. 2-B-186

Perfection Fencing 39 inches high is put up in 10, 20 and 30 rod rolls.
Price, per rod..... **85c**

Perfection and Victor Hog Fence

This fence is not as heavy as some of our other hog fences, but it possesses all the strength necessary for turning even the most vicious hogs. The barbed wire woven into the bottom is an exclusive feature that prevents hogs from lifting the fence with their noses and passing under. This fencing is especially adapted for use as a temporary fence, for it can be easily moved from place to place and restretched as often as necessary. Put up in 10, 20 and 40-rod rolls. Prices do not include barbed wire.



26-Inch Victor Hog Fence

7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 11 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 14 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 425 pounds. Shipped from factory near Chicago.

2-B-122. 26-inch **Victor** Hog Fence. Price, per rod..... **24c**

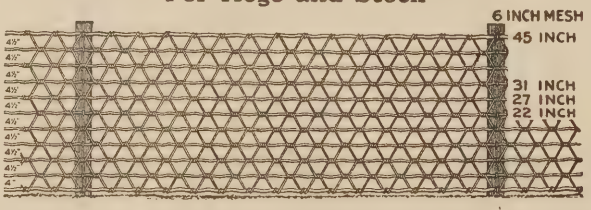
NOTICE—By using two or three strands of barbed wire above Victor Hog Fence an excellent general purpose farm fence can be made at a very low cost. Barbed wire not included at this price.

32-Inch Victor Hog Fence

2-B-123. Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 500 pounds. Price, per rod..... **30c**

Harris Diamond Fencing

For Hogs and Stock



This fence is thoroughly practical and gives the very best of satisfaction and service. The diamond shaped meshes hold the running wires in place and prevent slipping and spreading. In fact, every wire in the fence is a brace and support to all other wires.

The running wires are drawn from high carbon hard steel and are provided with tension curves which contract and expand with the changes of temperature and keep the fence straight and tight at all times.

While this fence is not quite as heavy as some of our other styles, yet it is strong enough for all ordinary requirements and makes an excellent general purpose farm fence. It is portable and can be moved from place to place as often as desired.

The top and bottom wires are **No. 11** gauge, intermediate wires **No. 14** gauge, and the mesh wires **No. 16** gauge. Meshes 6 inches apart. This is an excellent combination hog and stock fence, and can be used by stretching two or three wires of barbed wire above the fence.

2-B-302. 27″ high, weight 4½ pounds. Per Rod..... **31c**

2-B-303. 31″ high, weight 5 pounds. Per Rod..... **37c**

2-B-300. 45″ high, weight 6½ pounds. Per Rod..... **48c**

26-Inch Perfection Hog Fence

(Extra Heavy)

7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 10 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 13 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 525 pounds. Shipped from factory near Chicago.

2-B-112. 26-inch **Perfection Hog Fence.** Price, per rod..... **29c**

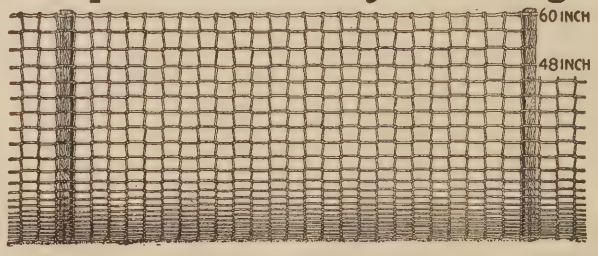
NOTICE—By using two or three strands of barbed wire above Perfection Hog Fence an excellent general purpose farm fence can be made and the cost is very low.

32-Inch Perfection Hog Fence

(Extra Heavy)

2-B-121. Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 600 pounds. Price, per rod..... **35c**

Superior Poultry Fencing



Poultry Fence. Suitable for enclosing poultry lots, gardens and young orchards. Neither the line nor stay wires can be slipped, and it is woven sufficiently close to turn all kinds of poultry and small animals. A practical and satisfactory combination poultry and stock fence. All wires are of high carbon steel, heavily galvanized.

Our thirty-day trial fully protects you. You may erect the fence and if it is not satisfactory within 30 days, take it down, return it to us and we will pay freight on same and refund your money in full.

Put up in 10, 15, 20 rod rolls.

2-B-16. 48″ high (20 wires) stays 4½″ apart, **No. 14** gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 400 pounds per 100 rods. Per Rod..... **40c**

2-B-14. 48″ high (17 wires) stays 6″ apart, 10 gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 825 pounds, per 100 rods. Per Rod..... **48c**

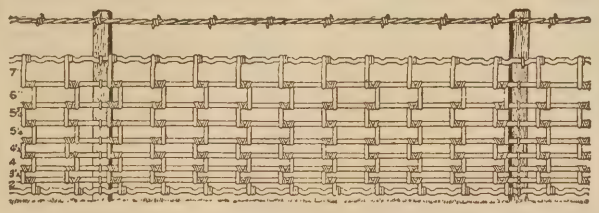
2-B-17. 60″ high (23 wires) stays 4½″ apart, **No. 14** gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 450 pounds, per 100 rods. Per Rod..... **44c**

2-B-15. 60″ high (19 wires) stays 6″ apart, **No. 10** gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 925 pounds, per 100 rods. Per Rod..... **55c**

Perfection Special Farm and Lawn Fencing

A page of carefully chosen fencing. The various designs cover a splendid selection for cattle, sheep, pigs, poultry and for lawn or estate enclosures. All are highly recommended and your decisions can be safely and quickly made according to the price you wish to pay.

Sheep and Cattle Fencing



LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wire. Stays spaced 12 inches apart. All open hearth steel heavily galvanized.

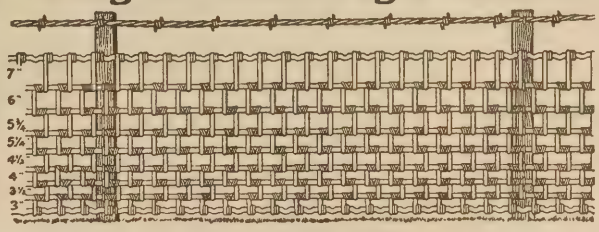
2-B-148. 26 in. high, 12 in. Stay. Wt., 100 rods, 350 lbs. per rod...**22c**
2-B-147. 32 in. high, 12 in. Stay. Wt., 100 rods, 400 lbs., per rod...**25c**
2-B-146. 39 in. high, 12 in. Stay. Wt., 100 rods, 450 lbs., per rod...**29c**
2-B-145. 47 in. high, 12 in. Stay. Wt., 100 rods, 500 lbs., per rod...**33c**

HEAVY WEIGHT FENCES

CONSTRUCTION: Styles 2-A-131 and 2-A-132 have a No. 9 top, No. 10 bottom margin; Styles 2-A-133 and 2-A-134 a No. 10 top and bottom margin. All have No. 12 line, No. 12½ Stay. Stays spaced 12 inches apart. All open hearth steel, heavily galvanized.

2-B-134. 26 in. high, 12 in. Stay. Wt., 100 rods, 560 lbs., per rod..**32c**
2-B-133. 32 in. high, 12 in. Stay. Wt., 100 rods, 610 lbs., per rod..**35c**
2-B-132. 39 in. high, 12 in. Stay. Wt., 100 rods, 700 lbs., per rod..**39c**
2-B-131. 47 in. high, 12 in. Stay. Wt., 100 rods, 800 lbs., per rod..**44c**

Hog & Little Pig Fences



LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wires. Stays spaced 6 in. apart. All open hearth steel heavily galvanized.

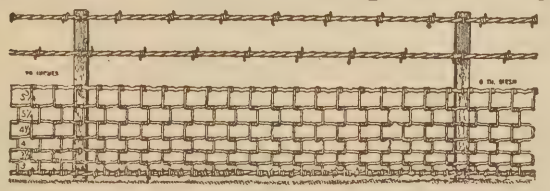
2-B-143. 26 in. high, 6 in. Stay. Wt., 100 rods, 450 lbs., per rod...**27c**
2-B-142. 32 in. high, 6 in. Stay. Wt., 100 rods, 525 lbs., per rod...**32c**
2-B-141. 39 in. high, 6 in. Stay. Wt., 100 rods, 575 lbs., per rod...**36c**
2-B-140. 47 in. high, 6 in. Stay. Wt., 100 rods, 650 lbs., per rod...**40c**

HEAVY WEIGHT FENCES

CONSTRUCTION: Styles 2-A-125 and 2-A-126 have a No. 9 Top and No. 10 Bottom Margin. Styles 2-A-127 and 2-A-128 a No. 10 Top and Bottom Margin. All have a No. 12 Line and No. 12½ Stay Wire. Stays spaced 6 inches apart. All open hearth and heavily galvanized.

2-B-128. 26 in. high, 6 in. Stay. Wt., 100 rods, 675 lbs., per rod...**38c**
2-B-127. 32 in. high, 6 in. Stay. Wt., 100 rods, 785 lbs., per rod...**44c**
2-B-126. 39 in. high, 6 in. Stay. Wt., 100 rods, 900 lbs., per rod...**48c**
2-B-125. 47 in. high, 6 in. Stay. Wt., 100 rods, 1020 lbs., per rod..**54c**

Barbed Bottom Hog Fencing



CONSTRUCTION: No. 11 Top Margin, Hog Barbed Wire Bottom Margin, No. 14 Line and Stay. All open hearth steel heavily galvanized.
For a hog fence at a reasonable price, buy several rolls.

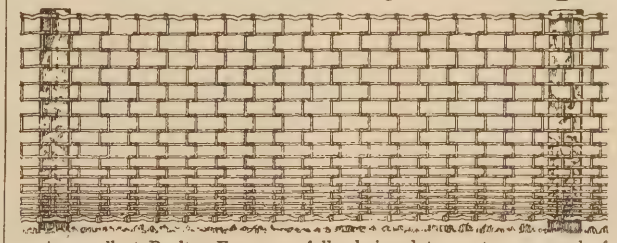
2-B-180. 26 in. high, 6 in. Stay. Wt., 100 rods, 450 lbs., per rod..**28c**
2-B-181. 32 in. high, 6 in. Stay. Wt., 100 rods, 525 lbs., per rod..**32c**
2-B-182. 26 in. high, 12 in. Stay. Wt., 100 rods, 350 lbs., per rod..**25c**

HEAVY WEIGHT BARBED WIRE BOTTOM FENCES

CONSTRUCTION: No. 10 Top Margin, Hog Barbed Wire Bottom Margin, No. 13 Line and Stay.

2-B-190. 26 in. high, 6 in. Stay. Wt., 100 rods, 565 lbs., per rod...**34c**
2-B-191. 32 in. high, 6 in. Stay. Wt., 100 rods, 660 lbs., per rod...**40c**

Perfection Poultry Fencing

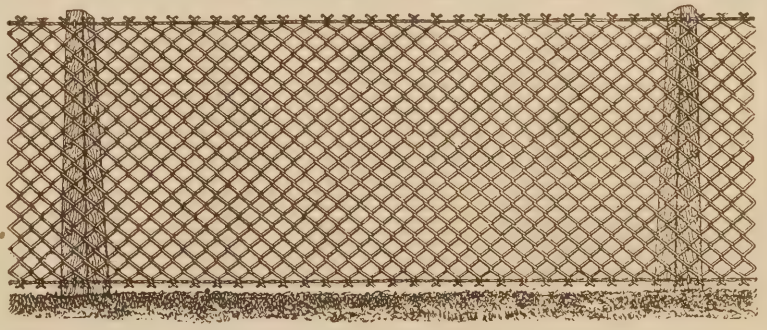


An excellent Poultry Fence, carefully designed to meet every need of the perfectly enclosed poultry yard holding small and large chickens.
CONSTRUCTION: No. 11 Top and No. 12 Bottom Margin, No. 14 Line and Stay. Stays spaced 6 inches apart. All open hearth steel heavily galvanized.

2-B-138. 36 in. high, 6 in. Stay. Wt., 100 rods, 735 lbs., per rod...**47c**
2-B-137. 50 in. high, 6 in. Stay. Wt., 100 rods, 885 lbs., per rod...**55c**
2-B-136. 60 in. high, 6 in. Stay. Wt., 100 rods, 985 lbs., per rod...**60c**

Perfection
Lawn Fence

One of our leading and best se ling styles. It makes a handsome yard and lawn fence and is admirably adapted for cemeteries and gardens. It turns everything—from all kinds of stock to chickens. It is very easily erected and it looks very well. This is a fence that is sure to please you. The construction is of the link chain type. Absolutely non-climbable. Furnished in any length rolls.



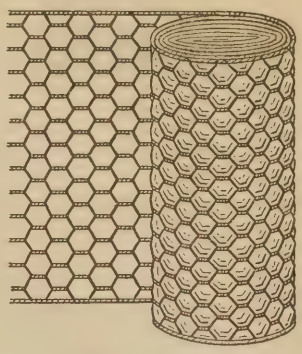
—Special Low Prices—

2-C-210. 36 inches high, No. 11 gauge, 2-inch mesh; weight per 100 feet, 165 pounds. Price, per foot.....**15c**
2-C-211. 42 inches high, No. 11 gauge, 2-inch mesh; weight per 100 feet, 185 pounds. Price, per foot.....**16c**
2-C-212. 48 inches high, No. 11 gauge, 2-inch mesh; weight per 100 feet, 205 pounds. Price, per foot.....**17c**
2-C-213. 36 inches high, No. 10 gauge, 2-inch mesh; weight per 100 feet, 215 pounds. Price, per foot.....**18c**
2-C-214. 48 inches high, No. 10 gauge, 2-inch mesh; weight per 100 feet, 270 pounds. Price, per foot.....**22c**
2-C-215. 36 inches high, No. 10 gauge, 1½-inch mesh; weight per 100 feet, 260 pounds. Price, per foot.....**23c**
2-C-216. 48 inches high, No. 10 gauge, 1½-inch mesh; weight per 100 feet, 310 pounds. Price, per foot.....**24c**

U. S. POULTRY FENCE $2.75

The U. S. Poultry Fence and Hexagon Mesh Poultry Netting are woven from 19 gauge steel wire, heavily galvanized before weaving

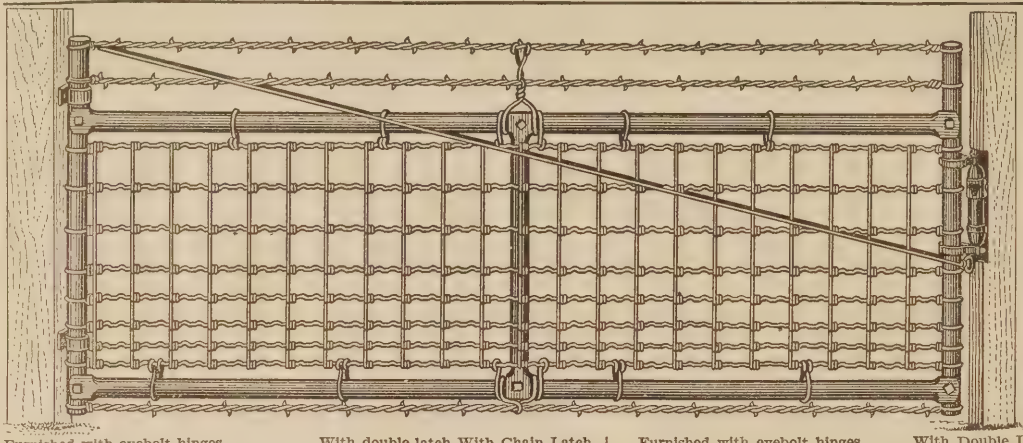
Per Bale



2B205 The U. S. Fence is 72 inches high and is so constructed that each parallel wire adds to the tensile strength making it the strongest and most efficient poultry fencing on the market. With this type of fence, top or bottom rails are not needed. Bales contain 150 lineal feet.
Price, per bale.....**$5.40**

POULTRY NETTING

2B206 Hexagon Mesh Poultry Netting, 19 gauge wire, 2 inch mesh, galvanized before weaving. Put up in bales of 150 lineal feet. Price, per bale.....**$2.75**



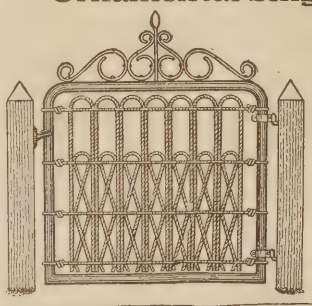
Adjustable Painted Gate

Height, 4½ feet; frame work, 2-inch O. D. reclaimed boiler tubes; fencing, all 9-inch galvanized, three strands barb wire; stay or adjustment wire 9-gauge galvanized; hinges, heavy eyebolt, 12-inch shanks, threaded 9 inches; latch, either chain or double, paint, two coats high-grade, grey enamel iron paint, brushed on; adjustable to any angle.

Furnished with eyebolt hinges	With double latch	With Chain Latch
2-C-217. Size, 54 inches high, 10 ft. wide..	$7.70	**2-C-227**.....$7.15
2-C-218. Size, 54 inches high, 12 ft. wide..	8.50	**2-C-228**..... 8.00

Furnished with eyebolt hinges.	With Double Latch	With Chain Latch
2-C-219. Size, 54 inches high, 14 ft. wide..	$9.10	**2-C-229**.....$8.45
2-C-221. Size, 54 inches high, 16 ft. wide..	9.90	**2-C-230**..... 9.35

Ornamental Single Lawn Gates



The single lawn gates we offer are made of heavy Merchant's pipe measuring 1¼ inches outside diameter and they are filled with Perfection Lawn Fence. These gates are strictly poultry-proof and very strong and durable. Each gate is fitted with good heavy hinges and an automatic latch. The frame is nicely painted with metallic paint to prevent rust. When these gates are ordered with Perfection Lawn Fence they should be specified three inches higher than the fence and gate and the fence and gate will then match.

Set posts, 3½ inches further apart than width of gate ordered.

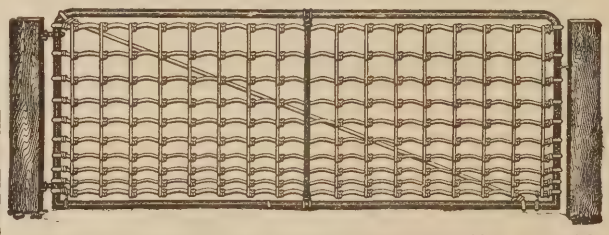
Number	Width Feet	Height Inches	Ornamental
2-B-405A	3	27 or 33	$3.30
2-B-406A	3	39 or 45	3.40
2-B-407A	3	51 or 54	3.50
2-B-408A	3½	27 or 33	3.70
2-B-409A	3½	39 or 45	3.75
2-B-410A	3½	51 or 54	3.90

Ornamental Double Drive Gates

One side of the double gates is fitted with an automatic catch at the bottom so that it is possible to use just one-half of the gate as a single gate when so desired. Each of the two gates composing the double gate is braced diagonally with a heavy galvanized wire and the 12-foot wide double gate is braced in the center of each gate with a ⅞-inch upright pipe, making them very rigid and strong.

Number	Width Feet	Height Inches	Ornamental	Plain
2-B-416A	10	27	$8.30	$8.05
2-B-417A	10	33	8.30	8.05
2-B-418A	10	39	8.75	8.50
2-B-419A	10	45	8.75	8.50
2-B-420A	10	51	9.20	8.95
2-B-421A	12	27	9.40	9.15
2-B-422A	12	33	9.40	9.15
2-B-423A	12	39	9.85	9.60
2-B-424A	12	45	9.85	9.60
2-B-425A	12	51	10.50	10.25

Harris Driveway and Farm Gates



This gate is made of 1⅜-inch outside diameter steel tubing, the upright brace in center is made of ⅞-inch tubing in 10 and 12 foot lengths, and two upright braces in 14 foot lengths. This prevents gate from spreading and makes them very rigid. In the construction of the frames of this gate, high carbon steel tubing is used.

We also place a No. 8 Galvanized Wire diagonally across the frame to strengthen it. Complete, with hinges, latches and all necessary fittings to hang on wood posts. Hinges are adjustable and can be placed at any point on the gate, so that you can adjust them up or down, thereby allowing your gate to swing freely above ice or snow. Frame is covered with our Harris Square Mesh Fence as shown on preceding pages. All wires are heavily galvanized so as to prevent rust or corrosion.

Number	Width feet	Height inches	Price, each
2-B-200	10	54	$ 6.75
2-B-201	12	54	8.50
2-B-202	14	54	9.00
2-B-203	16	54	10.25

Extra-Strong Farm Gates

Our Atlas Farm Gate is one of the strongest gates on the market. The frame is made of best quality wrought iron pipe, 1⅝ inches outside diameter, and the two upright braces are 1⅛ inches. The frame is braced diagonally with a ⅜-inch steel rod, which prevents sagging. The No. 9 galvanized wire is closely woven to turn pigs and chickens. The frame and braces are painted black; fitted with a strong set of hinges and an automatic latch. Prices are F. O. B. factory in Central Indiana.

No.	Width	Height	Weight	Price
2-B-213	10 feet	54 inches	105 pounds	$ 8.80
2-B-214	12 feet	54 inches	120 pounds	10.50
2-B-215	14 feet	54 inches	135 pounds	11.00
2-B-216	16 feet	54 inches	150 pounds	11.90

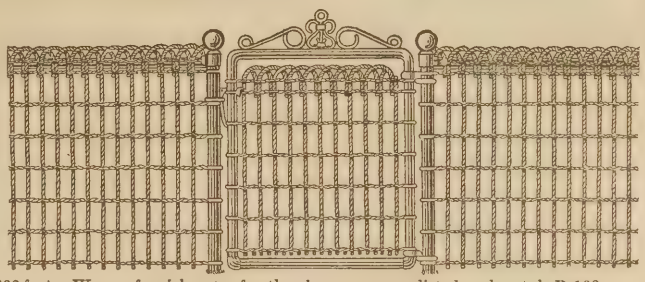
Harris Woven Wire Lawn Fencing

MADE OF HEAVY GALVANIZED WIRE

Harris Woven Wire Fencing is made of the best grade of galvanized wire. The design is plain and substantial as shown in the cut above. This is a fence that will be suitable in any surroundings, harmonizing well on any lawn. Can be used with either steel or wood posts.

Uprights are made of No. 9 heavy galvanized wire, crimped the entire length. Cabled line wires are of heavy galvanized wire, with stays between the uprights 2⅞ inches. Cables are spaced 6 inches apart, except the top wire, which is spaced 2⅜ inches. We can furnish same to you in the following sizes:

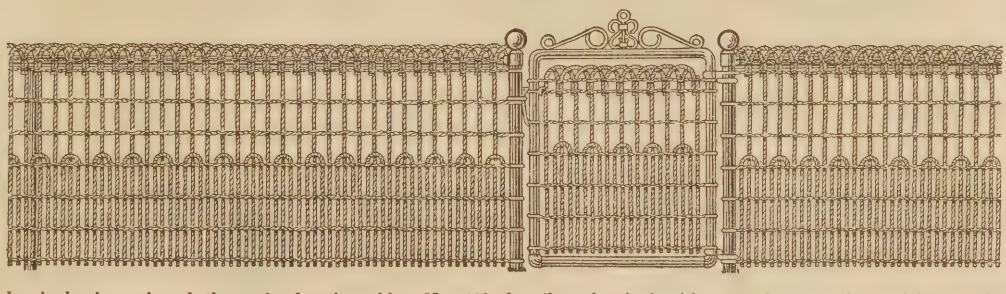
No. **2-B-428.**	24 inches high.	Per lin. ft.	**7c**
No. **2-B-429.**	30 inches high.	Per lin. ft.	**8c**
No. **2-B-430.**	36 inches high.	Per lin. ft.	**9c**
No. **2-B-431.**	42 inches high.	Per lin. ft.	**10c**
No. **2-B-432.**	48 inches high.	Per lin. ft.	**11c**



The above fencing can be furnished in any continuous length up to 300 feet. We can furnish gates for the above, same as listed under style B-100.

Harris Ornamental Lawn Fencing

This style, B-600, differs from our 429 in that we weave in an additional picket at the bottom, adding to the beauty of the design and also giving additional strength to the fence. It will stand use and abuse and the wear of time to the limit of reasonable expectation. The space at the bottom closes to 1⅜ inches.

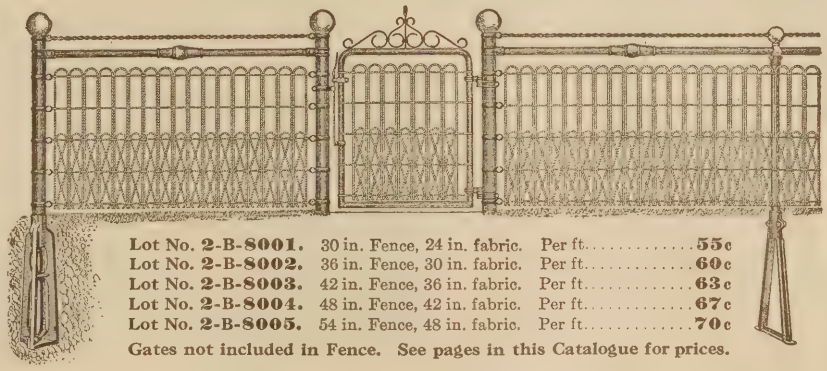


Uprights, No. 9 galvanized wire, crimped the entire length; cables, No. 12½, heavily galvanized with space between the uprights at the bottom of 1⅜ ins.; at the top, 2⅞ ins. The cables are spaced 6 ins. apart, except the top space of 2⅜ ins.

Height of fabric, inches	24	30	36	42	48	54	60
2-B-404. Price, per lineal foot	**10c**	**11c**	**12c**	**14c**	**17c**	**20c**	**23c**

"Harris" Boulevard Complete Lawn Fence

We use our "Harris" Boulevard Lawn Fence for the filler in this beautiful Fence. The railing and posts are made of heavy Tubular Steel. The end, corner and gate posts measure 1¾ inches in diameter. The Posts are fitted with beautiful cast iron bases at the bottom and are mounted on the top with beautiful white enameled ball-shaped ornaments. All fittings are highest grade malleable iron, Handsome 4-ply Braided wire is stretched above the top railing, adding a neat and artistic finish to the Fence. Average weight of Fence, 8¾ pounds to the foot.

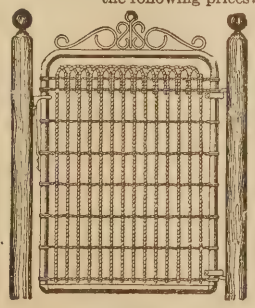


Lot No. **2-B-8001.**	30 in. Fence, 24 in. fabric.	Per ft.	**55c**
Lot No. **2-B-8002.**	36 in. Fence, 30 in. fabric.	Per ft.	**60c**
Lot No. **2-B-8003.**	42 in. Fence, 36 in. fabric.	Per ft.	**63c**
Lot No. **2-B-8004.**	48 in. Fence, 42 in. fabric.	Per ft.	**67c**
Lot No. **2-B-8005.**	54 in. Fence, 48 in. fabric.	Per ft.	**70c**

Gates not included in Fence. See pages in this Catalogue for prices.

ORNAMENTAL LAWN GATES

The frame is made of 1¼-in., full weight, stiff, high-carbon steel tubing, nicely painted. The gate is filled with our "Harris" Ornamental Lawn Fence fabric. All gates furnished complete with heavy malleable iron hinges for wood and a strong automatic latch of improved pattern. These gates can be used for any purpose where a walk gate is required. In ordering gates, be particular to state kind of fittings desired—whether for wooden or steel posts. All gates are made to fit openings. By openings we mean total distance between posts. In ordering ornamental gates, specify dimensions in the following rotation: height of gate, width of opening. Note the following prices:



Style B-100

If wanted for iron posts, give diameter of posts and add $1.50 to prices of gate.

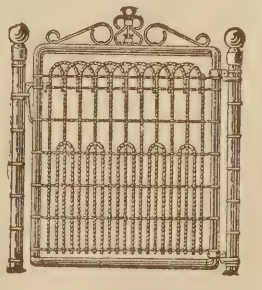
Single Gates—Up to and including 48 inches high

2-B-405.	3 ft. opening	**$3.00**	**2-B-411.**	6 ft. opening	**$5.35**
2-B-406.	3½ ft. opening	**3.55**	**2-B-412.**	7 ft. opening	**5.90**
2-B-407.	4 ft. opening	**3.75**	**2-B-413.**	8 ft. opening	**6.75**
2-B-409.	5 ft. opening	**4.75**	**2-B-414.**	10 ft. opening	**8.00**
			2-B-415.	12 ft. opening	**9.25**

Double Gates—Up to and including 48 inches high

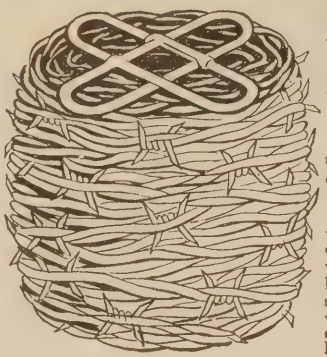
2-B-416.	8 ft. opening	**$ 7.75**	**2-B-419.**	14 ft. opening	**$11.25**
2-B-417.	10 ft. opening	**9.25**	**2-B-420.**	16 ft. opening	**13.00**
2-B-418.	12 ft. opening	**10.25**			

Above ornamental lawn fence weighs from 2 to 5 lbs. per lineal foot, depending upon height and style of fence. Gates size 3x3 ft. weigh about 20 lbs. each. Gates with 10 to 12 foot openings weigh from 60 to 100 lbs., depending upon height and style.



Style B-600

U.S. Government Barbed Wire!



Buy Now! Your Greatest Chance to Save

Made in Leading Mills Under Government Supervision

For a limited time only we will be able to offer highest grade barbed wire purchased at a price less than the actual cost of manufacture. Following our usual custom, we are now selling the entire remaining stock to our customers at the big money saving prices below.

Here is your chance to secure finest barbed wire made—the product of leading wire mills. Made under Government Inspection, so rigid that only the highest grade wire was accepted in this lot. Made of 12 gauge open hearth steel wire of highest quality, insuring extra strength. This extra strength gives long life to the wire; will outlast any ordinary barbed wire. Made in extra heavy weight only, with 4 point barbs, ⅝-inch long, spaced 3 inches apart.

This heavy high grade barbed wire is carefully coated with a special weather-resisting paint. This paint has undergone every possible test and was accepted by leading Chemists as the best paint for protection of wire possible to produce. Using this extra heavy wire, coated with this perfect paint protection, you are assured of longest possible service under the most severe conditions. Put up in reels containing 700 feet each. Weight, per reel, 58 pounds.

Low Sale Prices!

		58 lb. reels. 700 ft.	112 lb. reels. 1400 ft.
2-B-100X,	Price in carload lots (625 reels or more), per reel	**$1.20**	**$2.40**
2-B-101X,	Price in lots of 100 reels or more, per reel	**1.25**	**2.50**
2-B-102X,	Price in lots of 50 reels or more, per reel	**1.30**	**2.60**
2-B-103X,	Price in lots of 25 reels or more, per reel	**1.35**	**2.70**
2-B-104X,	Price in lots less than 25 reels, per reel	**1.40**	**2.80**

Order Yours Now!

100 lbs. of New Mixed 3d to 40d Wire Nails $2.25

A splendid assortment of brand new wire nails in the sizes that you use every day. Indispensable about the home, workshop and farm. The same quantities bought at retail would cost you double this price. They always come in handy. Don't forget to include this bargain with your order.

2-B-4055. 100-lb. keg of mixed nails, 3d to 40d, price **$2.25**

Crimped Wire for Reinforcing

$4.25 Per 100 Lbs.

2-B-986. Crimped wire for Reinforcing. Strengthen your concrete work by using crimped wire for reinforcing. We can furnish this material made up of No. 9 gauge wire, crimped, and cut to any length you wish up to 20 feet. Wire is made of open hearth steel, heavily galvanized. Specify length of wire re uired when ordering. Put up in 100-lb. bundles.

100 lbs..... **$4.25**

Galvanized Wire

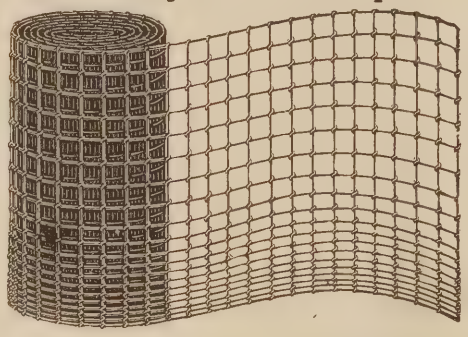
Heavily Galvanized

$3.00 Per 100 lbs.

2-B-984. New galvanized wire, put up 100 lbs. in a bundle, consisting of shorts or mill ends, accumulated from regular galvanized fencing wire, varies in length from 50 ft. to 200 ft. and is sorted one gauge to the bundle.

No. 8 gauge, per 100 lbs.	**$3.00**
No. 9 gauge, per 100 lbs.	**3.00**
No. 10 gauge, per 100 lbs.	**3.05**
No. 11 gauge, per 100 lbs.	**3.10**
No. 12 gauge, per 100 lbs.	**3.15**
No. 13 gauge, per 100 lbs.	**3.25**
No. 14 gauge, per 100 lbs.	**3.35**

Poultry Fence Snap!!



We have just purchased a large quantity of slightly defective poultry fencing, defects consisting principally of an occasional loose wire, or some minor defect in weaving, which prevent us from offering it as perfect fencing. The defects will not in any way interfere with the usefulness or service of the fencing.

The very best fencing for general poultry purposes made in square mesh style; easily stretched tight and trim without bagging. Made of best steel wire, heavily galvanized, top and bottom wires No. 15 gauge; stay and strand wires No. 17 gauge. Upright wires or stays spaced 4 inches apart. Line wires spaced from bottom to top on 36 inch fencing as follows:

1 in., 1 in., 1 in., 1 in., 1⅛ in., 1¼ in., 1½ in., 1¾ in., 2 in., 2¼ in., 2¾ in., 3⅜ in., 4 in., 4 in., 4 in., and 4 in.

Higher fences have sufficient additional strand wires spaced 4 inches apart to make their height. Put up in ten rod rolls only.

Number	Height	Number of bars	Price per rod
2-B-601	36 in.	17	**$0.30**
2-B-602	48 in.	20	**.36**
2-B-603	60 in.	23	**.40**
2-B-604	72 in.	26	**.50**

Pointed Drive Metallic Painted Posts

Harris Pointed Metallic Painted Tubular Posts fitted with adjustable clamps, made of 2-inch outside diameter charcoal iron tubing. Low price for this sale only.

Number	Over-all In.	Cls.	Wt. Lbs.	Pr. Ea.
2-B-317	60	2	11½	**25c**
2-B-318	72	3	12½	**30c**
2-B-319	84	4	13½	**35c**
2-B-320	96	5	14½	**40c**

Harris Galvanized Barbed Wire

"Harr s special barbed wire, 80 rods to the reel made of No. 14 gauge heavy galvanized open hearth steel iron, two point barbs, put up in 80 rod reels, sold by the spool.

2-B-11. 2 point galvanized barbed wire, barbs 5 inches apart. Per reel..... **$3.25**

2-B-13. 2 point galvanized barbed wire, barbs 3 inches apart. Per reel..... **$3.50**

Glidden Pattern Barbed Wire

Glidden Pattern barbed wire, made of No. 12 gauge open hearth steel, heavily galvanized, put up in 80 rod reels, sold by the spool. Can be furnished in either hog or cattle wire, two or four point.

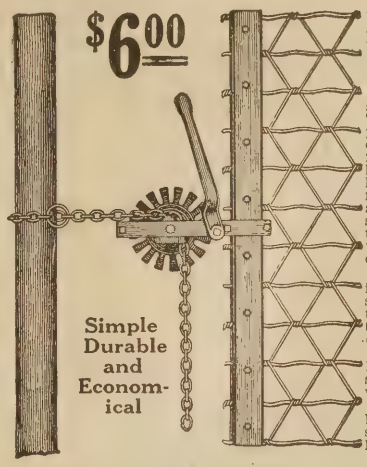
2-B-30. 2 point galv. barbed wire, barbs 5 inches apart. Per reel..... **$4.40**

2-B-31. 2 point galv. barbed wire, barbs 3 inches apart. Per reel..... **$4.55**

2-B-32. 4 point galv. barbed wire, barbs 5 inches apart. Per reel..... **$4.50**

2-B-33. 4 point galv. barbed wire, barbs 3 inches apart. Per reel..... **$4.80**

Wire Products and Accessories



$6.00

Simple Durable and Economical

PERFECTION Wire Stretcher

Shows the single Fence Stretcher and manner of attaching to posts and fence. The wonderful power, simplicity of action and ease of operation of this stretcher has made it very popular. They lock automatically at every half turn of the lever and never slip. The metal parts are of the highest quality steel and malleable iron and the clamps of selected hard wood. The chain is long enough for a pull of nine feet.

The double stretcher is identically the same as the single one with the exception that it has two chains and two stretchers on the one set of wood clamps.

No. 2-B-210. "Perfection" stretcher, single weight, 75 lbs..... **$6.00**

No. 2-B-211. "Perfection" stretcher, double weight, 125 lbs..... **$11.90**

Three Tools in One!

75c

Perfection Wire Splicer Staple Puller and Hammer

This is a wire splicer, staple puller, and hammer combined, not to mention all the other uses around the house and barn and one of the handiest tools you can have about farm. It is not only the best, but the only combination tool of its kind. Made of high grade malleable iron, and is very strong and durable.

No. 2-B-209. Price, each..... **75c**

Perfection Wire Grip

A very handy tool for tightening loose wire. Can be attached to a bar and strong leverage secured. Fitted with swivel.

2-B-53. Price each. **33c**

Brace Wire

The Brace Wire we offer is of No. 9 gauge and is drawn from Soft Open Hearth Steel. It twists nicely. In each coil there is about enough wire for three good braces.

No. 2-B-203. Price per coil of 10 pounds..... **40c**

Tackle Block Wire Stretcher

Fitted with an automatic lock or clasp. Disengaged by a slight movement of the hand rope. Can also be used as a safety hoist, with which any man can lift 500 pounds. Furnished complete with 16½ feet of ⅜-inch pure manila rope.

No. 2-B-56. Price, each..... **$1.15**

Ratchet Steel Wire Stretcher With Rod

2-B-55. This is a straight line stretcher, made of steel and malleable iron. Extra strong and easily operated. Furnished complete with 2 feet of steel chain. Price, each..... **75c**

Barbed Wire Stretcher

The most convenient and easily operated for stretching short runs of either woven or barb wire fencing. When stretching woven or poultry wire with ½-inch iron pipe 5 foot in length, fasten ends about pipe as shown in cut. For stretching long runs of heavy woven wire fencing the "Harris" Stretcher is highly recommended.

Lot No. 2-B-60. Price..... **$2.80**

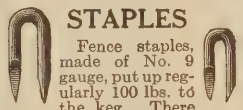
SCREEN WIRE!

2-B-49. Our Galvanized or Pearl wire is made by an entirely new process and is better rust-resistant than the ordinary bright wire, as it possesses remarkable rust-defying qualities. It is not affected by moisture or salt sea air and if given proper care will last years and years.

Our Galvanized Screen Wire is put up in rolls of 25, 50 and 100 running or lineal feet, 12 wires to the inch each way.

Width Inches	Wt., per 100 lin. ft.	25 ft. Rolls	50 ft. Rolls	100 ft. Rolls
24	19	$1.65	$3.30	$6.00
26	21	1.80	3.58	6.50
28	23	1.95	3.85	7.00
30	24	2.10	4.13	7.50
32	24	2.20	4.40	8.00
34	32	2.35	4.68	8.50
36	36	2.48	4.95	9.00
42	42	2.90	5.78	10.50
48	48	3.30	6.60	12.00

STAPLES



Fence staples, made of No. 9 gauge, put up regularly 100 lbs. to the keg. There are 120 1-in. staples to a lb., 100 1¼-in. staples to a lb. Prices as follows in keg lots:

2-B-35. 1-inch long, per 100 lbs..... **$4.75**
1¼-in. long, per 100 lbs. **4.75**

Furnished in smaller quantities as follows:

10 lb. pkg. Each..... **$0.55**
20 lb. pkg. Each..... **1.10**
50 lb. pkg. Each..... **2.50**

Poultry Netting Staples

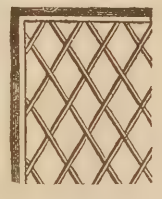
Made of No. 14 gauge. There are 230 1-in. staples to a lb.

No. 2-B-36. 1 in. long, in keg lots per 100 lbs..... **$7.35**

Furnished in smaller quantities as follows:

5 lb. pkg., each..... **40c**
10 lb. pkg., each..... **80c**

WINDOW GUARDS!



2-B-4030. Guard against burglars and protect your windows. Our diamond mesh crimped wire window guards, with round iron rod frame, we quote as follows: These prices apply to guards containing 8 sq. ft. or more. Write for prices on smaller guards.

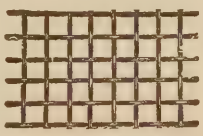
Size Mesh Inches	Gauge of Wire	Diameter Frame Inches	Price Per Sq. Ft.
¾	14	¼	33c
1	14	¼	31c
1	12	5/16	33c
1¼	14	¼	27c
1¼	12	5/16	28c
1½	12	¼	29c
1½	10	5/16	30c
1½	8	⅜	34c
1¾	12	¼	33c
1¾	10	5/16	31c
2	12	¼	27c
2	10	5/16	28c
2	8	⅜	34c
2½	10	5/16	27c
2½	8	⅜	34c

Black Screen Wire

2-B-48. Painted Screen Wire, Put up in rolls of 50 and 100 running or lineal feet and measures each way 12 wires to the inch.

Width, inches	Weight, per 100 lineal feet	50 ft. rolls	100 ft. rolls
24	19	$2.70	$5.40
26	21	2.95	5.85
28	23	3.15	6.30
30	24	3.40	6.75
32	32	3.60	7.20
34	34	3.80	7.65
36	36	4.05	8.10
42	42	4.75	9.45
48	48	5.40	10.80

Galvanized Wire Cloth



This cloth is generally known as hardware cloth, used for window guards, cages, fruit evaporators, screens and places where a heavy screen is needed. Furnished in the following sizes:

Number	Width inches	Gauge	Mesh to Inch	Per 100 Lineal ft.	Per Lineal ft.
2-B-50	24	23	4 mesh to 1 in.	$15.00	17c
2-B-51	30	23	4 mesh to 1 in.	18.75	20c
2-B-52	36	23	4 mesh to 1 in.	22.50	24c
2-B-53	24	19	2 mesh to 1 in.	13.50	15c
2-B-54	30	19	2 mesh to 1 in.	16.88	19c
2-B-55	36	19	2 mesh to 1 in.	20.25	22c

Block and Tackle

TRIBLOC Chain Hoist

2-B-11613. These splendid hoists are of strong compact construction. Designed for all classes of work. Steel working parts and patented loop hand-chain guide which protects the hoist and controls the hand chain at all speeds of travel. Hand chain will not buckle in guide or over-ride flanges of the hand wheel. Fastest lifting hand hoist produced.

Cap. Tons	Wt. Lbs.	Lift Feet	Price, complete
½	60	8	$ 52.00
1	70	8	67.00
1½	80	8	90.00
2	90	9	105.00
3	100	10	135.00
4	110	10	165.00
5	120	12	210.00
6	130	12	247.00
8	140	12	280.00
10	150	12	336.00

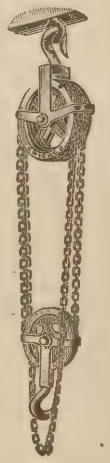
Screw Chain Hoist

2-B-11715. These hoists are powerful and compact. They are extensively used for all classes of work. They are much easier to operate than the Differential Hoist, inasmuch as they are geared up. The gearing is enclosed in oil tight housing and the working parts are thus always immersed in oil, insuring smooth action and thorough lubrication.

Cap. Tons	Wt. Lbs.	Lift Feet	Price complete
½	50	8	$ 37.00
1	60	8	45.00
1½	76	8	60.00
2	125	9	75.00
3	190	10	112.00
4	210	10	142.00

The Fastest Chain Hoist Made

Special Prices on Sizes up to 10 Tons

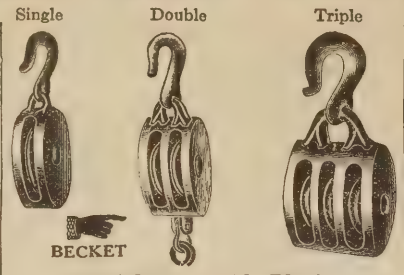


Weston Differential Chain Hoist

2-B-11783. Tested to full weight before shipment. This is the simplest and cheapest type of chain hoist, and has the fewest parts of any hoist made. The chains are specially made, are finely finished and carefully hardened to prevent wear. This hoist will hold a load at any point. Each hoist is guaranteed fully in every particular.

Cap., Tons	Will Lift feet	Price, comp.
½	7	$15.00
1	8	21.00
1½	8½	27.00
2	9	33.00
3	10	45.00

Four feet of extra Chain required for every foot of extra lift.



Wood Shell Tackle Blocks

Manila Rope. These blocks are of the best possible construction. Have special chilled steel pins and iron sheaves with edges properly rounded to prevent the rope from fraying.

We can furnish these blocks either with or without beckets. When used in pairs, one should be plain and the other with becket

2-B-11701. Without becket. **2-B-11702.** With becket.

Diam. Rope, Inches	Length of Shell Inches	Single Pulley	Double Pulley	Triple Pulley
⅜	3	$0.48	$0.90	$1.20
½	4	.60	1.08	1.47
⅝	5	.62	1.20	1.50
¾	6	.75	1.35	1.95
⅞	7	.78	1.62	2.35
1	8	1.13	1.95	2.88
1⅛	10	1.88	3.00	4.20
1¼	12	3.00	5.05	7.20
1⅜	14	4.73	7.10	10.00
1½	15	5.40	8.75	12.15

Steel Tackle Blocks

Are made with forged steel hooks, straps, pins and shells. For manila rope.

2-B-11704. Without becket. **2-B-11705.** With becket.

Diam. Rope, Inches	Length of Shell Inches	Single Pulley	Double Pulley	Triple Pulley
⅜	3	$0.48	$0.90	$1.20
½	4	.60	1.08	1.47
⅝	5	.62	1.20	1.50
¾	6	.75	1.35	1.95
⅞	7	.78	1.62	2.35
1	8	1.13	1.95	2.88
1⅛	10	1.88	3.00	4.20
1¼	12	3.00	5.05	7.20

Steel Snatch Blocks

STEEL SNATCH BLOCKS

2-B-11709.

Size of Sheave Inches	Diam. Rope Inches	Lgth. Shell Ins.	Price Each
3 x1⅛	¾	6	$ 4.40
3½x1¼	⅞	7	5.25
4½x1⅜	1	8	6.25
5 x1⅝	1⅛	9	7.50
5¾x1⅞	1¼	10	9.25
6¾x2⅛	1½	12	11.00
8 x2¼	1¾	14	14.50
9 x2⅝	2	16	19.00

STANDARD WOOD SHELL IRON STRAPPED SNATCH BLOCKS

2-B-11707.

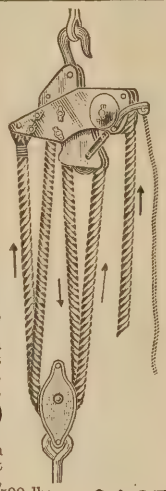
Size of Sheave Inches	Diam. Rope Inches	Lgth. Shell Ins.	Price Each
3 x1⅛	¾	6	$3.00
3½x1¼	⅞	7	3.50
4½x1⅜	1	8	4.35
5 x1⅝	1⅛	9	5.10
5¾x1⅞	1¼	10	6.40
6¾x2⅛	1½	12	7.50
8 x2¼	1¾	14	9.75
9 x2⅝	2	16	12.75

"I" Beam Trolley

A simple and practical "I" Beam Trolley with steel side plates, anti-friction bearings adjustable to three sizes of "I" Beams.

Lot No.	Cap. Tons	Sizes of I-Beam	Wt. Lbs.	Price, Each
2-B-11559	½	5– 6– 7	25	$18.90
2-B-11560	1	6– 7– 8	40	21.60
2-B-11561	1½	7– 8– 9	80	25.65
2-B-11562	2	8– 9–10	120	29.70
2-B-11563	3	9–10–12	135	36.45
2-B-11564	4	10–12–15	140	44.55
2-B-11565	5	12–15–18	310	58.00

Safety Lifts



These Burr Steel Lifts are thoroughly practical and are much less expensive than the chain hoists.

2-B-11717. Size No. 3, for ⅜-inch rope. One man can hoist 300 lbs. Double lower block, weight, 4⅛ lbs. Capacity, 800 lbs. Price..... **$1.70**

2-B-11719. For ½-inch rope. One man can hoist 350 lbs. Double lower block, weight, 6½ lbs. Capacity, 1,500 lbs. Price..... **$3.15**

2-B-11721. For ⅝-inch rope. One man can hoist 400 lbs. Double lower block, weight, 11 lbs. Capacity, 2,000 lbs. Price..... **$4.00**

2-B-11723. For ¾-inch rope. One man can hoist 450 lbs. Double lower block, weight, 17 lbs. Capacity, 2,500 lbs. Price..... **$4.85**

2-B-11725. For ½-inch rope. One man can hoist 600 lbs. Triple lower block, weight, 10 lbs. Capacity, 3,000 lbs. Price..... **$5.70**

2-B-11727. For ⅝-inch rope. One man can hoist 700 lbs. Triple lower block, weight 20 lbs. Capacity, 3,500 lbs. Price..... **$6.85**

2-B-11729. For ¾-inch steel rope. One man can hoist 850 lbs. Triple lower block, weight 28 lbs. Capacity, 5,000 lbs. Price..... **$7.95**

Wire Rope Blocks

2-B-11711. These blocks are specially designed to be used in connection with wire hoisting rope, having large sheaves.

You cannot use the wood and iron shell manila rope tackle blocks in connection with the wire rope owing to the fact that the sheaves are too small to permit the wire rope running freely over them.

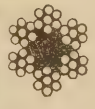
Dia. of Shv.	For Rope Ins.	Single Price Each	Double Price Each	Triple Price Each
10	⅝ & less	$10.00	$15.00	$20.00
14	¾	14.00	19.00	26.00
16	⅞	16.00	22.00	30.00

Turnbuckles

These Turnbuckles are considered the best on the market. Are made of wrought iron, painted black. We have them in stock and can furnish promptly.

Lot No.	Diam. of thread	Lgth. of thread	Price Each Black	Price Each Galv.
2-B-11547	⅜	3½	$0.45	$0.57
2-B-11548	¼	4	.48	.60
2-B-11549	5/16	4¼	.50	.65
2-B-11550	⅜	4½	.72	.90
2-B-11551	7/16	5¼	.85	1.10
2-B-11552	½	6	.95	1.20
2-B-11553	⅝	9	1.40	1.75
2-B-11554	¾	9	1.90	2.40
2-B-11555	⅞	12	3.25	4.05
2-B-11556	1	12	4.00	5.00

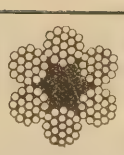
Steel Cable—Jacks



Swedish Transmission or Haulage Rope

2-B-11605. Composed of six strands, hemp center, each having 7 wires. This rope is used principally for transmission of power over large sheaves or drums. This rope is not flexible enough to be used over small sheaves or drums. Note minimum diameter of drum or sheave in table below. Subject to quantity on hand.

Diameter Inches	Weight per 100 ft. in lbs.	Approx. break. strain in Tons of 2,000 lbs.	Min. diam. of drum or sheaves in feet	Price per ft.
⅜	22	4.8	2½	$0.05½
½	39	8.4	3½	.08
⅝	62	13.2	4½	.12
¾	89	18.6	6	.17
⅞	1.20	24.	7	.22
1	1.58	32.	8	.29



Standard Wire Hoisting Rope

Made up of six strands, 19 wires to the strand, laid around a hemp center.

SWEDISH IRON ROPE. Is used for hay presses, hoisting and all general purposes.

CRUCIBLE STEEL ROPE. Is much stronger and is used in mines, on derricks and for any kind of hoisting work where a strong rope is required.

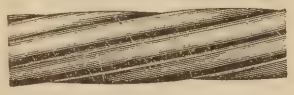
2-B-11601. Swedish Iron Rope

Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
¼	0.10	1.10	$0.06½
⅜	0.22	2.4	.07
½	0.39	3.9	.08
⅝	0.62	6.	.12
¾	0.89	8.5	.16
⅞	1.20	11.8	.20
1	1.58	14.5	.26
1⅛	2.00	18.6	.33

2-B-11603. Crucible Steel Wire Rope

Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
¼	0.10	2.2	$0.09
⅜	0.22	4.8	.09½
½	0.39	8.4	.11
⅝	0.62	12.5	.12
¾	0.89	17.5	.18
⅞	1.20	23.	.24
1	1.58	30.	.30
1⅛	2.	38.	.36

New Galvanized Wire Strand



2-B-11611. This strand is composed of 7 wires, twisted into a single strand. Is used for guys on smoke stacks, telegraph and telephone poles and many other purposes.

Diam. Inches	Approx. Strength in lbs.	Weight per 100 ft. lbs.	Price per 100 ft.
¼	2300	13	$1.60
⅜	5000	30	3.20
½	8500	52	5.00

USED GALVANIZED WIRE STRAND

⅜-in., approx. diam. Price, per 100 ft.... **$1.50**
½-in., approx. diam. Price, per 100 ft.... **2.50**

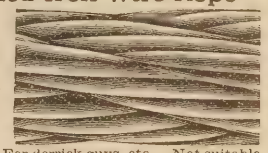
Used Wire Rope For Hoisting

Nineteen Wires to the Strand. Six Strands. Laid Around Hemp Center.

2-B-11525. This rope is particularly adapted for service in mines, for logging on elevators, derricks, hay presses and hoists of all kinds.

Diam. Inches	Weight per ft. in pounds	Price, per ft. selected second hand rope
½	0.39	4c
⅝	0.62	6c
¾	0.89	9c
⅞	1.20	12c
1	1.58	16c
1⅛	2.45	20c

Galvanized Iron Wire Rope

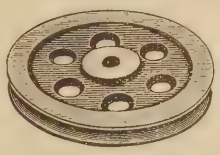


2-B-11613. For derrick guys, etc. Not suitable to run over drums or sheaves.

Composed of 6 strands and hemp center, 7 wires to the strand.

Diam. Inches	Weight per ft.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
⅜	0.20	1.8	$0.05
½	0.36	3.2	.07
⅝	0.64	5.8	.09
¾	0.81	7.3	.11
⅞	1.21	11.	.15
1	1.44	13.	.17

Iron Sheaves for Wire Rope



2-B-8999. These sheaves as priced below are to run loose on the shaft. We cannot furnish them bored for larger sized shaft than specified, nor can they be fitted with set screws or key seated.

Diam. Sheave Inches	Length Through Hub Inches	Size of Hole for Shaft Inches	For Diam. Wire Rope Inches	Plain Bushed Price Each
5	⅞	⅝	⅜	$0.70
6	1	⅝	⅝	.75
6	1⅛	¾	½	.75
8	1¼	¾	½	1.75
8	1⅞	1	⅝	1.75
10	1¼	¾	½	2.25
10	1⅝	1	⅝	2.65
12	1¼	1	½	3.00
12	1¾	1	⅝	3.00
14	1⅝	1⅛	⅝	4.25
14	2	1¼	⅞	4.75
14	1⅞	1⅛	¾	4.25

Jack Screws

4-B-11519. The Bell Base of these Jack Screws is made of the toughest gray iron it is possible to obtain. The screws are wrought iron, lathe turned. Every jack is tested and its carrying capacity is fully guaranteed. Levers are not furnished with the Jacks.

Diam. of screw inches	Height of stand inches	Lifting over all inches	Capac. Tons.	Price Each
1¼	8	10½	10	$2.00
1¼	12	14½	10	2.50
1½	8	10¾	12	2.55
1½	10	12¾	12	2.85
1½	12	14¾	12	3.45
1¾	10	13	16	3.75
1¾	12	15	16	4.05
2	10	13¼	20	4.50
2	12	15¼	20	4.95
2	14	17¼	20	5.55
2	16	19¼	20	7.20
2½	14	18	28	8.75
2½	18	22	28	9.45
2½	20	24	28	8.80

Ratchet Jacks

4-B-11521. Easily operated and can be used in close places. The stand of this Jack is made of tough gray iron and the screw is made of special steel with deep lathe cut thread.

Diameter of Screw, 2 in., height overall, 23 in., lifting capacity, 25 tons. Price, each..... **$5.95**

House Raising Jacks

4-B-11523. Cast iron, brand new. These screws are cast with Seamless Threads, which makes them very smooth and uniform.

Diam. Screw inches	Ht., overall inches	Price, Each
3	18	$3.65
3	20	3.90
3	24	4.50
3	30	5.30
3	36	6.15

Wire Rope Clips

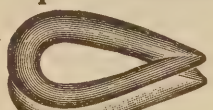
2-B-11503. These clips are used to make a loop of an eye at the end of a rope without splicing.

Black

¼	Size for rope diam. in. Price each.....	$0.05
⅜	Size for rope diam. in. Price each.....	.06
½	Size for rope diam. in. Price each.....	.08
⅝	Size for rope diam. in. Price each.....	.11
¾	Size for rope diam. in. Price each.....	.16
⅞	Size for rope diam. in. Price each.....	.21
1	Size for rope diam. in. Price each.....	.24
1⅛	Size for rope diam in. Price each.....	.40
1¼	Size for rope diam. in. Price each.....	.43
1⅜	Size for rope diam. in. Price each.....	.65
1½	Size for rope diam. in. Price each.....	.70

Wire Rope Thimbles

Galvanized



No. 2-B-11511.

¼	Size for rope diam. in. Price each.....	$0.03
⅜	Size for rope diam. in. Price each.....	.05
½	Size for rope diam. in. Price each.....	.06
⅝	Size for rope diam. in. Price each.....	.10
¾	Size for rope diam. in. Price each.....	.12
⅞	Size for rope diam. in. Price each.....	.14
1	Size for rope diam. in. Price each.....	.17
1⅛	Size for rope diam. in. Price each.....	.30
1¼	Size for rope diam. in. Price each.....	.33
1⅜	Size for rope diam. in. Price each.....	.42
1½	Size for rope diam. in. Price each.....	.50

Patent Wire Rope

Hooks and Couplings

These hooks are made of malleable iron and can be bent cold. The cheapest and simplest fastening for rope manufactured.

Fig. 3

2-B-11513. Fig. 3, Hook.
Size, inches..... ⅜ ½ ⅝
Price, each..... 30c 35c 45c

2-B-11515. Fig. 5, Ring.
Size, inches..... ⅜ ½ ⅝
Price, each..... 30c 35c 45c

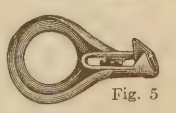


Fig. 5

2-B-11517. Fig. 6, Coupling.
Size, ins.... ⅜ ½ ⅝
Price, ea.. 30c 35c 45c

Fig. 6

FULL WEIGHT

STEEL TANKS

GALVANIZED STEEL

Made of Full Weight U. S. STANDARD Gauge Galvanized Steel

LOW PRICES AND GUARANTEE. We quote the lowest prices ever made.

QUALITY. We use only the best quality of galvanized steel sheets and guarantee full weight U. S. Standard gauge No. 20.

HOW MADE. All joints are lock seamed. This style of joint is considered the best possible construction, as there are four thicknesses of metal tightly joined.

COVERS. We can furnish flat covers at 30c per sq. ft. for any tank shown and the size of cover is obtained by multiplying the square of the tank. As an example, on a round tank 4 ft. in diameter a square would be 4x4 or 16 sq. ft. On round end tanks the square is figured by the length and width and longest and widest point.

CAPACITY. The capacity of tanks as shown in barrels is based on 31½ gallons to the barrel. In figuring the round end tanks no allowance has been made for the round corners, so these tanks will not hold quite as rated.

KNOCKED DOWN TANKS. When tanks are shipped knocked down, all holes are punched, every part is fitted together at the factory and sufficient solder and rivets are sent to put the tank together.

PIPE CONNECTION. We do not cut pipe connection in steel tanks, because it is a difficult matter for anyone to tell before receiving their tanks just where it is best to cut the hole. You can easily cut the hole by using a cold chisel and cut against a block of hard wood.

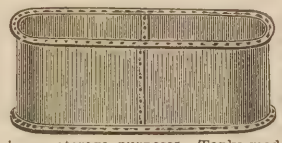
Our galvanized pipe connections consist of one close nipple, two leather washers, two lock nuts and one pipe cap, so you can close hole when you wish. Shipped from factory with tanks.

Prices as follows:

4-B-1600 Pipe Connections.

Size, inches	¾	1	1¼	1½	2
Each	$0.45	$0.45	$0.60	$0.65	$0.90

ROUND END GALVANIZED STEEL TANKS



Made of No. 20 gauge galvanized steel guaranteed. Always shipped set up unless otherwise ordered. Sufficiently heavy for ordinary stock watering or storage purposes. Tanks made of No. 18 gauge steel, additional charge of 25 per cent.

BRACING. On tanks 6, 8 and 10 feet long we furnish one angle brace across the top and two on each side. On larger tanks there are two braces across the top and three on each side.

Prices are F. O. B. Factory, Northern Indiana.

No.	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-1831	2	1	4	1½	50	$5.35
4-B-1832	2	1	6	2½	60	7.30
4-B-1833	2	1	8	3½	85	9.25
4-B-1834	2	2	4	3¾	65	6.80
4-B-1835	2	2	6	5¾	90	10.00
4-B-1836	2	2	8	7½	120	12.00
4-B-1837	2	2½	8	9½	137	13.65
4-B-1838	2½	2	8	9½	135	12.70
4-B-1839	2½	2½	8	12	150	14.65
4-B-1840	3	2	8	11½	145	13.65
4-B-1841	3	2½	8	14	160	15.60
4-B-1842	4	2	8	15	155	17.55
4-B-1843	4	2½	8	17	174	19.50
4-B-1844	4	3	8	23	195	21.45
4-B-1845	3	2	10	14	165	17.40
4-B-1846	3	2½	10	18	192	19.50
4-C-1847	3	3	10	21	215	23.20
4-B-1848	4	2	10	19	205	21.00
4-C-1849	4	2½	10	24	225	23.25
4-B-1850	4	3	10	29	245	27.80
4-B-1851	4	2	16	30	315	33.15
4-B-1852	4	2½	16	38	365	37.05
4-B-1853	5	2	16	38	380	39.00
4-B-1854	5	2½	16	47	400	43.90

ROUND GALVANIZED STORAGE TANKS

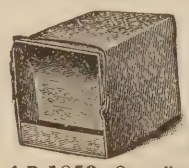
These tanks are shipped knocked down, properly marked to facilitate erection. Every tank is set up at our factory and inspected before shipment. We furnish sufficient solder and rivets. Full instructions also accompany each shipment.

We recommend No. 18 gauge for tanks of 40 bbls. cap. and larger, No. 16 gauge for 100 bbls. tanks and larger.

Prices are F. O. B. factory, Northern Indiana.

Number	Dia. Ft.	Ht. Ft.	Cap Bbl.	Wt. Lbs.	Price 20 G.	Price 18 G.	Price 16 G.
4-B-1816	6	6	41	340	$34.25	$42.75	....
4-B-1817	6	8	54	430	42.00	52.50	....
4-B-1818	8	5	60	475	46.55	58.20	....
4-B-1819	8	6	72	530	51.45	64.25	....
4-B-1820	8	8	95	640	63.70	79.60	$95.55
4-B-1821	8	10	120	750	....	89.00	107.00
4-B-1822	10	8	150	875	....	....	123.00
4-B-1823	10	10	180	970	....	....	139.00

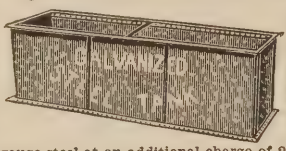
AUTOMATIC POULTRY FOUNTAIN



This fountain is closed tight except a small space near bottom where fowls have access to water. It will not burst by freezing. It retains water in sanitary condition. No danger of chicks drowning. Can be set on a stove.

4-B-1859 One gallon size. Price **$1.00**
4-B-1860 Two gallon size. Price **$1.15**

SQUARE END GALVANIZED TANK

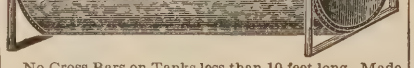


Made of No. 20 gauge galvanized steel guaranteed. Sufficiently heavy for ordinary stock watering or storage purposes. These tanks, made of No. 18 gauge steel at an additional charge of 25 per cent.

Prices are F. O. B. Factory, Northern Indiana.

Number	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-1863	2	2	4	3¾	75	$8.30
4-B-1864	2	2	6	5¾	105	10.75
4-B-1865	2	2	8	7½	130	15.60
4-B-1866	2	2½	8	9½	135	17.55
4-B-1867	2½	2	8	9½	150	17.05
4-B-1868	3	2	8	11½	160	18.25
4-B-1869	2½	2½	8	12	170	19.00
4-B-1870	3	2	10	14	190	21.45
4-B-1873	3	2½	10	18	215	23.90
4-B-1874	4	2	10	19	225	25.10

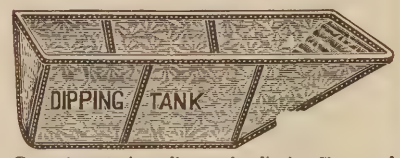
ROUND BOTTOM GALVANIZED TANKS



No Cross Bars on Tanks less than 10 feet long. Made of 20 gauge, galvanized steel, guaranteed. Furnished with steel frame or truss at each end so it can be set on the ground. Does not have to be bolted to timbers. One cross bar on tanks 10 feet long or over. Prices are F. O. B. cars, factory, Northern Indiana.

Number	Wth. Ft.	Dth. Ins.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-2964	1½	8	10	2	60	$4.90
4-B-2967	2	12	8	4	90	7.80
4-B-2968	1½	14	8	4	90	7.85
4-B-2966	1½	14	10	5	100	8.80
4-B-2965	2	12	10	5	100	8.85
4-B-2963	2	20	8	6	130	11.70
4-B-2962	2½	18	8	6	130	11.75
4-B-2961	2	20	10	8	150	13.65
4-B-2960	2½	18	10	8	130	13.70
4-B-2972	3	24	8	10	165	15.60
4-B-2971	3½	22	8	10	165	15.65
4-B-2970	3	24	10	13	175	16.60
4-B-2969	3½	22	10	13	175	16.65
4-B-2974	4	24	8	16	185	18.50

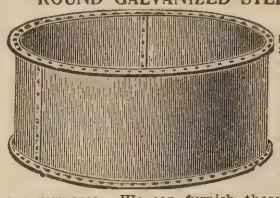
SHEEP AND HOG DIPPING TANK



Prevent contagious disease; for dipping Sheep and Hogs. Placed in ground with top on level with surface. Animals are driven in and out of tank. Made of No. 20 gauge galvanized steel. If made of No. 18 gauge, add 25 per cent to price. Always shipped set up. Our design is correct and best made. If you wish special style, send sketch and dimensions for prices. Prices, F. O. B. Factory, Northern Indiana.

Number	Ht. Ins.	Lth. Top Ft.	Lth. Btm. Ft.	Wth Top Ins.	Wth Bm. Ins.	Wt. Lbs.	Price Each
4-B-1895	36	5	3	24	12	115	$13.15
4-B-1896	36	6	4	30	18	128	14.65
4-B-1897	42	10	5	30	12	240	24.40
4-B-1898	48	10	5	30	12	255	26.30

ROUND GALVANIZED STEEL TANKS



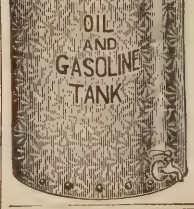
Made of No. 20 gauge galvanized steel, guaranteed. Always shipped set up, unless otherwise ordered. This gauge of steel is sufficiently heavy in any of the sizes which we offer these tanks for ordinary stock, watering or storage purposes. We can furnish these tanks made of No. 18 gauge steel at 25 per cent. higher prices. Prices are F. O. B. cars, Factory, Northern Indiana.

Number	Dia. Ft.	Ht. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-1801	3	2	3	65	$7.80
4-B-1802	4	2	6	90	9.25
4-B-1803	4	2½	7	100	10.50
4-B-1804	4	3	9	115	12.40
4-B-1805	4	4	12	130	15.60
4-B-1806	5	2	9½	115	12.70
4-B-1807	5	2½	12	130	14.15
4-B-1808	5	3	14	140	15.10
4-B-1809	5	4	19	170	20.50
4-B-1810	6	2	14	150	15 60
4-B-1811	6	2½	17	160	17.00
4-B-1812	6	3	20	180	19.50
4-B-1813	6	4	27	210	24.40
4-B-1814	6	5	34	240	29.25

PREMIER OIL TANKS

These tanks are made of No. 26 gauge galvanized iron body and bottom, with wood bottom under metal, tin hood, portable and steady stream pump which can be taken out of the tank and used for pumping kerosene from barrel into tank. All tanks are neatly painted and lettered.

No.	Cap. Gal.	Wt. Crated	Price, Each
4-B-1970	30	35	$8.80
4-B-1971	60	50	9.90
4-B-1972	110	65	14.00

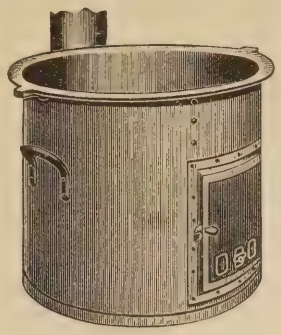


GASOLINE AND OIL TANKS

Made of No. 20 gauge galvanized steel, is very strong and durable and will stand much hard usage. These tanks are fitted with a screw cap opening in top to fill by and faucet in side near bottom to draw off contents. Prices given below are F. O. B. cars, Factory, Northern Indiana.

Number	Inside Dia. Ins.	Ht. Ins.	Cap. Gals.	Price Each
4-B-1960	18	30	32	$ 5.35
4-B-1961	24	40	58	6.15
4-B-1962	24	36	70	7.60
4-B-1963	34	30	117	9.80
4-B-1964	34	36	140	10.75
4-B-1965	34	42	165	12.95
4-B-1966	34	48	185	14.20
4-B-1967	40	42	225	16.15
4-B-1968	40	48	260	17.60

Tanks, Feeders, Cookers, Tank Heaters



Farmers' Stock Feed Cookers

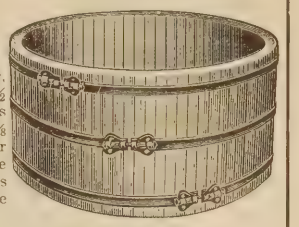
For cooking feed, heating water, boiling sugar, rendering lard, making soap, scalding. Casing or jacket is made of strong, cold-rolled steel, supported at bottom with a heavy wrought iron band, shrunk on and not riveted. The jacket is one continuous sheet of steel. The smoke is thrown around the kettle before it passes into the smoke pipe. Bringing the outside of the kettle in direct contact with the fire, enables you to boil fifty gallons of feed in from 20 to 30 minutes. Large fire door 12x15 inches. Burns wood from 28 to 36 inches long. Prices quoted are for wood burning cookers. Shipped from warehouses in Southern Michigan or Central Iowa.

Order Number	Actual Cap. Gals.	Diam. Inside Flange	Depth Kettle Inches	Weight Lbs.	Less Cover	Cover Extra
4-C-1991	15	20 in.	13½	100	$10.50	$1.75
4-C-1992	20	23 in.	15	125	11.95	1.75
4-C-1993	30	27 in.	16	175	15.40	2.45
4-C-1994	45	29 in.	18½	200	17.50	2.45
4-C-1995	55	32 in.	21	250	18.90	2.45
4-C-1996	65	34 in.	21	275	21.70	2.45
4-C-1997	75	36 in.	22	300	23.80	2.45

COAL GRATES FOR FARMERS' STOCK FEED COOKERS

4-B-1999. Price, each.....Write for prices

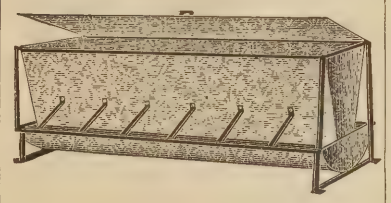
Washington Fir Stock and Storage Tanks



Made of strictly clear Washington Fir, with Steel Hoops and Lugs. Size: 1½ inch stock is dressed to about 1⅜ inches thick and 2 inch stock is about 1⅞ inches thick. On tanks 8 feet or larger in diameter, we recommend that they be made of the 2 inch stock. We ship tanks Knocked Down direct from warehouse located in Wisconsin.

Order Number	Diam feet	Length of Staves, Feet	No. of Hoops	Capacity Gallons	Wt. 1½" Lbs.	Price 1½"	Wt. 2" Lbs.	Price 2"
4-B-2001	4	2	2	138	200	$13.90	260	$16.25
4-B-2003	4	4	3	277	300	19.00	390	24.30
4-B-2005	5	2	2	221	225	15.90	263	20.25
4-B-2007	5	5	4	575	550	30.75	715	39.50
4-B-2009	6	2	2	324	300	19.80	390	25.30
4-B-2013	7	2	2	446	400	25.80	520	30.35
4-B-2017	8	2	2	588	455	27.75	591	35.40
4-B-2021	10	2	2	931	600	41.25	780	47.25
4-B-2025	6	6	4	1100	695	41.90	1903	53.50
4-B-2027	6	8	5	1490	.....	.....	1170	74.45
4-B-2029	8	6	4	1950	.....	.....	1267	71.80
4-B-2031	8	8	5	2700	.....	.....	1495	99.25
4-B-2033	10	10	7	5400	.....	.....	1787	156.00

GALVANIZED Hog Feeder



An excellent hog feeder, made of No. 20 gauge galvanized steel, reinforced with heavy angle iron. The construction and design prevents feed waste. Hogs cannot crowd along the trough. Dry feed of any kind will flow down through the container into the trough as fast as it can be eaten. Put in one of these troughs and you will quickly see the advantage of using them only. The feed saved and the health of your hogs will more than pay for your troughs in a surprisingly short time.

4-B-58—4 ft. long, cap., 11 bus., ea. **$14.55**
4-B-59—6 ft. long, cap., 16 bus., ea. **18.20**
4-B-60—8 ft. long, cap., 21 bus., ea. **21.80**

Improved Feed Cooker

No steam to keep up, no water to freeze. Furnace and fire flue under the boiler is heavy sheet steel. The fire box has a heavy cast iron grate and back wall. The fuel door and opening in ash pit are cast iron. The furnace is made of 14 gauge steel. The boiler or pan is No. 18 gauge steel. Cover is made of No. 20 gauge steel hinged to one side of the boiler and flanged downward, making it steam-retaining. The grate is made especially for coal, wood or cobs. Can be used for boiling sorghum, and water. Prices, F. O. B., Warehouse in Indiana.

Number	Lgth Ins.	Wth. Ins.	Dpth. Ins.	Wt. Lbs.	Cap. Gals.	Price Each
4-B-1974	4	24	12	175	60	$17.85
4-B-1975	4	24	18	200	90	19.20
4-B-1976	5	24	18	220	115	21.00
4-B-1977	6	28	18	290	160	26.25

Tank Heater

(Self-Sinking)

$10.50

Made of cast iron in one piece. 12 inches wide, 2 ft. high. Heater will sink itself and remain in place. Needs no rods to hold it down. Can be used in galvanized, cement, wood or any other kind of tank. Equipped with grates and ash tray, 2 ft. of smoke stack with damper and hood. Burns cobs, wood or coal.

4-C-1985. Price.....**$10.50**

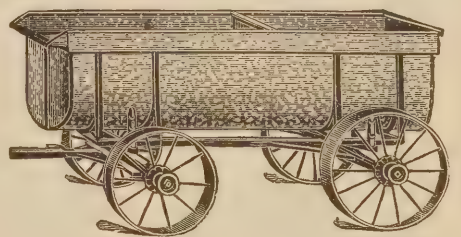
Galvanized Steel Wagon Tanks

$13.65

For portable engine, gathering maple sap and hauling liquids, manure, etc. The top or cover is made of galv. steel, the tanks are made of No. 20 gauge galv. steel. Sides and bottoms flanged together, riveted between two strips of 1 x ⅛ in. metal, the rivets placed only 3 in. apart. In the top is fastened to tank by flanging sides and top together and riveted or bolted between 1x⅜ in. metal. In the center of top there is a 14 in. round manhole with 3 in. flange extending upward with tight fitting cover. Tank is strongly braced; sizes longer than 6 ft. have one bulkhead in center of tank riveted or bolted to the sides, serves to break force of water and supporting the tank against outward pressure. One inch pipe or hose connection placed close to bottom in rear. Tank is made of 20 gauge galv. steel; can make them up in 18 gauge steel at an additional cost of 25 per cent to the prices below quoted. Prices F. O. B. cars N. Ind.

Number	Wd. Ft.	Ht. Ft.	Lgth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-1979.....	2	2	6.	5½	120	$13.65
4-B-1980.....	2	2	8	7½	155	16.35
4-B-1981.....	2	2½	8	9½	168	19.00
4-B-1982.....	3	2	8	12	191	20.90
4-B-1983.....	3	2	10	14	236	24.55

Steel Thresher Tanks



Made of 20 gauge galv. steel, but can make them up in 18 gauge steel at an additional cost of 2 per cent to prices given below. Made with truss support to support contents on a farm wagon bolster. The seams are all soldered inside of tank. Truss support is made of heavy angle iron and in a manner which places the strength at points where most needed. Back of the partition is a 14-inch round manhole with a flange 5 inches high and a tight fitting cover. Across the top of the tank at rear side of manhole is a plank bolted at each end to attach tank pump for filling tank. In the bottom between the front and rear truss we place a 1-inch connection for feed pipe or hose to the engine. The slush board is bolted or riveted to a fastening provided inside of the tank to the side walls, serving to support tank against outward pressure. Our bulkheads are stationary. These tanks will fit any old farm wagon bolster, narrow or wide track. For wide track or 42-inch bolster we bolt a 2x4 piece of wood on each side of truss, front and rear, which makes a close fit.

Number	Lgth Ft.	Wdth. Ins.	Ht. Ins.	Cap. Bbls.	Wt Lbs.	Price Each
4-B-1987	8	38	24	9½	350	$35.00
4-B-1988	10	38	24	12	375	39.00
4-B-1989	10	38	28	15	400	41.00

WIND MILLS

$42.50

Direct Stroke Galvanized Pumping Wind Mill

Every revolution of the wheel makes a stroke of the pump, which is very desirable where small cylinders are used and a good supply of water is desired. They pump rapidly, are easy to set up. All are ball bearing at both the thrust and bed plate. Wrist pins made of steel and have lock nuts to prevent them working out. Pitmans have removable babbitt bearings in each end. For a complete description of the wheel, wheel arms, rudder and rudder stem, read description under back geared mill. The only difference being in the curvature of the fans. Back geared wheels run faster than direct stroke and cannot be used on direct stroke mills.

All Premier Mills are Self Regulating. All bolts on the steel mills are galvanized and double nutted; the second nut acting as a lock-nut to prevent the other from working off. Always state what kind of a tower you will use.

4-B-1777. 8 ft. Direct Stroke, Galv. Steel Mill. Weight, 405 lbs. Price..... **$42.50**

4-B-1774. 10 ft. Direct Stroke, Galv. Steel Mill. Weight, 520 lbs. Price..... **$54.00**

4-B-1781. 12 ft. Direct Stroke, Galv. Steel Mill. Weight, 855 lbs. Price..... **$88.00**

The above price does not include a side rudder.

Easy Running Noiseless Powerful

Guaranteed Easy Running

Ball-bearing-Back Geared

-- Galvanized --

The slats or fans are extra heavy, hard spring sheet steel. The arms and rims are made of high grade, round edge tire steel. The rudder is sheet steel bound with ¼ inch round iron. All parts of this mill are thoroughly galvanized coated. The shafts are cold rolled steel. All bearings not referred to as being ball bearings are babbitted. The stroke is adjustable. No fragile springs or weak parts.

All Premier Mills are complete with bed plate, truing spider and reefing gear to put on tower to disconnected gear, also a wood pump rod and pull out wire. They are equipped with chilled steel ball bearings on the main shaft between the main casting, the wheel, and bed plate. These back geared mills have a small and large cog gear so that they are extra well adapted for heavy work such as pumping water from deep wells or pumping to a tank in a tower.

4-B-1701. 6 ft. Steel mill. Weight, 290 lbs. Price..... **$33.00**

4-B-1703. 8 ft. steel mill. Weight, 425 lbs. Price..... **$44.00**

4-B-1705. 10 ft. steel mill. Weight, 525 lbs. Price..... **$64.00**

4-B-1707. 12 ft. steel mill. Weight, 890 lbs. Price..... **$100.00**

Shipped from Factory near Chicago.

Direct Stroke Wood Wind Mill

$41.00

The direct stroke wind mill is furnished with a side rudder as in the illustration. Aside from being lighter and made of wood it embodies all the principles of light running, noiseless windmills.

The slats in both the mill and rudder are yellow poplar. Wheel arms are tough second growth ash and rims are high grade bending oak. All of these parts have two coats of white lead except the arms, which are blue. Pitmans have babbitted bearings. throughout. It is very simple in construction and strongly built. The bearings on the main shaft are adjustable. These mills are equipped with governor weight and are self-governing. In ordering, state the kind of tower to be used, whether for 3 or 4 post, steel or wood.

4-B-1781. 8 ft. Weight, 380 lbs. Price..... **$41.00**

4-B-1783. 10 ft. Weight, 485 lbs. Price..... **$51.00**

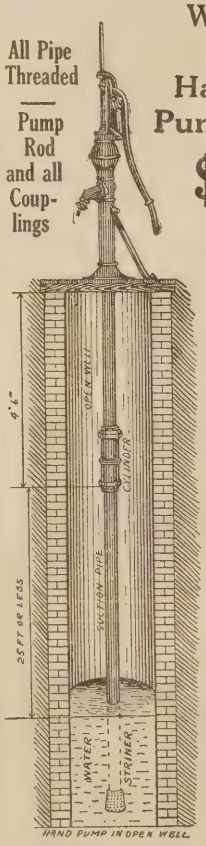
4-B-1785. 12 ft. Weight, 725 lbs. Price..... **$72.00**

All Pipe Threaded

Pump Rod and all Couplings

Wind Mill and Hand Force Pump Outfits

$14.00



In this outfit we offer you our best seller of above ground Force Pumps. 4-B-2365 Pump is built heavy and strong. The back outlet is tapped for 1 inch or 1¼ inch Pipe, has a brass stuffing box, solid piston rod, revolving head. Intended for connecting with Heads. Extra long handle.

The spout is fitted for a ¾ inch hose. May be used in dug wells at 100 ft., if desired, by lowering the cylinder within 15 ft. of water. Cannot be used in driven well more than 25 ft. deep as cylinder must be within 15 ft. of the water.

Complete outfit, consisting of Pump, 3x10 cylinder, 1¼ inch galvanized Pipe, Pump Rod and Strainer.

4-B-2121. Outfit for 20 ft. well. Weight, 135 lbs. Price..... **$14.00**

4-B-2123. Outfit for 30 ft. well. Weight, 180 lbs. Price..... **$16.00**

4-B-2125. Outfit for 40 ft. well. Weight, 220 lbs. Price..... **$18.00**

4-B-2127. Outfit for 50 ft. well. Weight, 250 lbs. Price..... **$20.00**

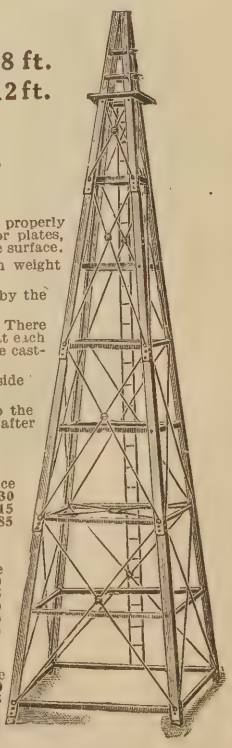
4-B-2129. Outfit for 60 ft. well. Weight, 280 lbs. Price..... **$22.00**

4-B-2131. Outfit for 75 ft. well. Weight, 325 lbs. Price..... **$25.00**

Wind Mill Towers

-- Galvanized --

For 6 ft. - 18 ft. 10 ft. and 12 ft. Wind Mills



Long, heavy sectional angle steel Corner Posts, properly sized, bolted at bottom to heavy castiron anchor plates, which rest on the ground or made to set under the surface.

Angle steel bands brace the tower, graded in weight for maximum strength.

The Brace Rods are round iron, strengthened by the use of a bracer rod clamp where rods cross.

The Pump Rod Guide and Internal Brace. There are 4 rods coming from each corner to the center at each sectional brace. The pump rod works through the casting of the intersecting rod guides.

Special safety steel, securely bolted, ladder; tire side affair.

The Platform is strong, and securely bolted to the tower. The galvanizing on these towers is done after every part is complete.

No. 1 Four-Post Galvanized Steel Towers.

4-B-1751. For 6 and 8 ft. Wind Mills.

	Wt. lbs.	Price
20 ft. No. 1, 4-post	335	$23.30
30 ft. No. 1, 4-post	475	32.15
40 ft. No. 1, 4-post	630	46.85

No. 2 Four-Post Galvanized Steel Towers.

4-B-1753. For 8 and 10 ft. Wind Mills.

	Wt., lbs.	Price
20 ft. No. 2, 4-post	375	$25.90
30 ft. No. 2, 4-post	600	35.75
40 ft. No. 2, 4-post	700	52.00
50 ft. No 2, 4-post	900	71.50
60 ft. No. 2, 4-post	1210	98.00

No. 3, Four-Post Galvanized Steel Towers.

4-B-1755. For 10 and 12 ft. Wind Mills.

	Wt., lbs.	Price
20 ft. No. 3, 4-post	445	$32.00
30 ft. No. 3, 4-post	635	45.85
40 ft. No. 3, 4-post	900	64.80
50 ft. No. 3, 4-post	1265	88.50
60 ft No 3, 4-post	1640	112.50

A Selection of Quality Pumps Priced Low

Extra Heavy Hand Force Pump

For deep or shallow wells made of the best materials by skilled mechanics. Extra long handle. This pump is anti-freezing. Has a large air chamber, internal air tubes, back outlet for discharge, brass covering, piston rod, brass stuffing box and heavy cast braces. We recommend this Pump as the very best general purpose Hand Force Pump made. Fitted with 4 ft. set length for 25 ft. wells. If this Pump is desired to discharge water through back outlet it can be fitted with a cock spout at $1.50 additional.

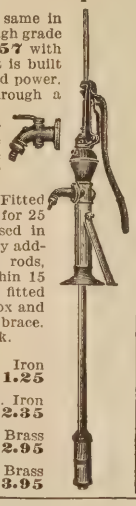
4-B-2357. 3x10. Iron Cylinder. Price..**$10.50**

4-B-2359. 3½x10. Iron Cylinder. Price..**$11.55**

4-B-2361. 3x10. Brass Body Cylinder. Price.....**$12.15**

4-B-2363. 3½x10. Brass Body Cylinder. Price.....**$12.95**

Extra Heavy Windmill and Hand Force Pump



This pump is the same in construction as our high grade Pump No. **4-B-2357** with the exception that it is built for windmill and hand power. Will force water through a hole to any desired elevation. If it is desired to discharge water through the back outlet order with cock spout at $1.50 additional. Fitted with 4 ft. set length for 25 ft. well. Can be used in deeper wells by simply adding pipe and pump rods, keeping cylinder within 15 ft. of the water. Is fitted with brass stuffing box and heavy cast iron brace. Built for heavy work.

4-B-2365. 3x10. Iron Cylinder. Price..**$11.25**

4-B-2367. 3½x10. Iron Cylinder. Price..**$12.35**

4-B-2369. 3x10. Brass Cylinder. Price..**$12.95**

4-B-2371. 3½x10. Brass Cylinder. Price..**$13.95**

Double Acting Ratchet Head Force Pump

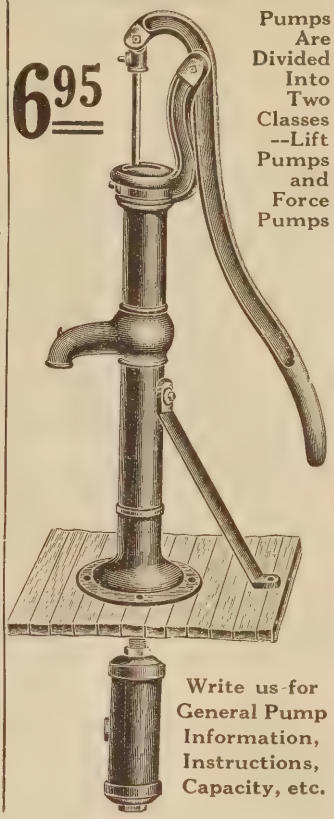
This Pump has adjustable base brass upper cylinder goose neck spout with hose connections, constructed to go in 5⅝ in. casing ratchet or gear head. It is an up-to-date and improved pump. By this construction the leverage is so much increased that a deep well being hard to pump with a fulcrum handle becomes easy to work with a Ratchet Head Pump. We furnish with this pump a lower cylinder which can be lowered to within 10 ft. of the water and used in wells of nearly any depth.

4-B-2411. 2½ x 10. Polished Iron Cylinder. Price.....**$10.50**

4-B-2413. 3 x 10. Polished Iron Cylinder. Price.....**$10.80**

4-B-2415. 2½ x 10. Brass Cylinder Price.....**$12.00**

4-B-2417. 3x10. Brass Cylinder. Price.....**$12.50**



6.95

Pumps Are Divided Into Two Classes --Lift Pumps and Force Pumps

Write us for General Pump Information, Instructions, Capacity, etc.

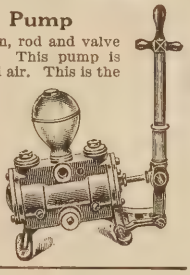
Premier Wind and Hand Force Pump Standard

The Premier Windmill standard is designed for Windmills and Hand Force Pumps. Another all above ground Force Pump which is built heavy and strong with a plain or cock spout as desired. Fitted for 1¼ in., 1½ in. or 2 in. Pipe and with back outlet for 1¼ in. Pipe. Brass stuffing box, piston rod, revolving head, extra long handle and heavy braces. There is nothing better in Force Pump Standard. This is not a complete Pump and the price includes standard only. Standard is fitted for 6 in. stroke. In ordering, be sure and specify size of pipe for which you wish Pump fitted. Cock Spout for $2.00 additional.

4-B-2373. Fitted for 1¼ in. or 1½ in. pipe. Price.....**$8.25**

4-B-2375. Fitted for 2-inch pipe. Price.....**$9.20**

Double Acting Horizontal Force Pump



Brass lined cylinder, extension air pump brass piston, rod and valve seats, easy working, compact, powerful, substantial. This pump is used on our water works outfits for pumping water and air. This is the most powerful, reliable and efficient pump made for elevating water from well or cistern to attic tank or upper floors. Easy working against high pressure. It is double acting and has a capacity of about 300 gallons per hour. Has iron handles and provided with convenient hand holes. Each pump is tested at our factory and is guaranteed positively water and air tight. Cylinder heads are removable. Valves are easily unpacked by unscrewing. Piston rod and valve seats are brass. Both sides are tapped for 1¼ in. suction and 1 in. discharge.

4-B-2395. Horizontal Force Pump, 3-in. brass lined cylinder. Price.....**$13.65**

When pump is used as combined water and air pump, we furnish same pump equipped with ¼ in. pet cock and ¼ in. check valve. Has pneumatic attachment to screw in cylinder head. To pump air and water simply open pet cock.

4-B-2455. Combined Water and Air Pump. Price.....**$15.30**

OUR LEADER PUMP

The greatest pump bargain ever offered. Has a regular 4 ft. set length. Adapted for cisterns or wells not over 25 ft. deep. By lowering cylinder within 10 ft. of water it can be used in deeper wells. Has 6 in. stroke. Fitted with 3x10 iron cylinder. The top is a separate casting attached with a set screw, allowing you to set the handle to any position you wish. Body is cast and is large and strong and nicely finished. A wonderful bargain.

4-B-2267. Price.....**$6.95**

Our Renown Force Pump

A Force Pump that will do the business and is very cheap. Complete with hose connection. A wonderful bargain and gives absolute satisfaction. Cylinder 4 ft. down for cistern wells or wells 25 ft. deep or less. This pump, however, is adapted to wells as deep as 50 or 75 ft. The base may be adjusted after the pump is set by merely unloosening the set screw or raising or lowering the pump to the upper height.

4-B-2401. 3 x 10. Iron Cylinder. Price.....**$8.85**

4-B-2405. 3 x 10. Brass Cylinder. Price.....**$10.50**

For Windmill Head add.....**$2.50**

Double Acting Under Ground 3-Way Force Pump

The latest thing in an Improved Anti-Freezing Hand Pump, for any depth well. For windmill or hand power. Quick-acting cam, 3-way lever, adjustable base, cast iron brace, large air valve, complete with hose connection, also cylinder and strainer. This is the best force pump to purchase for general purposes. It will discharge a great stream of water to any distance. Can be fitted with 1½ in. pipe without extra cost and with adjustable stroke.

6, 8 and 10 in. at an additional cost of $2.00.

Ratchet Head at additional cost of $2.50.

4-B-2435. 2½ x 10 Brass Body Cylinder. Price.....**$14.65**

4-B-2437. 3 x 10 Brass Body Cylinder. Price.....**$15.00**

4-B-2439. 3½ x 10 in. Brass Body Cylinder. at.....**$15.75**

Double Acting Hand Force Pump

This Double Acting Force Pump has adjustable base, brass upper cylinder, goose neck spout with hose connection, constructed to go inside 5⅝ in. casing. Especially adapted to use with hose about house or barn throws a steady stream and is easy to operate. This is a very neat, high class force pump at a very low price. For wells deeper than 25 ft. add pipe and pump rods to put cylinder down within 10 to 15 ft. below water mark in well.

4-B-2427. 2½x10 in. Iron Cylinder. Price.....**$10.60**

4-B-2429. 3 x 10 in. Iron Cylinder. Price.....**$10.90**

4-B-2431. 2½x10 in. Brass Cylinder. Price.....**$12.10**

4-B-2433. 3 x 10 in. Brass Cylinder. Price.....**$12.60**

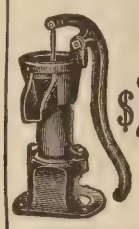
Premier Double Acting 3-Way Pump

For windmill and Hand Power Under Ground Double Acting 3-Way Force Pump. This Pump is one of the most popular sellers which we have ever offered. They simply give perfect satisfaction under all conditions. This Pump is fitted with an up-to-date cam lever for quick adjustment and distributing valve. By merely throwing the lever you can change the Pump from spout supply to third way supply and force the water to tank or out on the lawn or any place you may desire. Pump is fitted with adjustable base, hose connection, strainer, brass upper cylinder, adjustable stroke and is tapped for 2 in. pipe with wood rod connection for tubular wells of any depth.

4-B-2425. Without lower cylinder. Price.....**$14.15**

Dependable Pumps and Sprays

Pitcher Spout Pumps



$2.40

For cisterns and shallow wells. Bored and polished, finished with two coats green enamel paint, bronze stripping. Bearer top revolves so handle can operate at any angle by raising handle to extreme height. Can drain to prevent freezing. Fitted for 1¼-in. pipe unless otherwise specified.

4-B-2251. Size No. 2, 3 in. Iron Cylinder. Price.. **$2.40**

4-B-2253. Size No. 2, 3 in. Brass Body Cylinder. Price..... **$4.10**

Heavy Hand Lift Standard

This standard is suitable for any depth well that can be pumped by hand. It is strongly built with revolving head, handle can be operated from any angle at the spout, 6-inch stroke, fitted for 1½ inch pipe. Large waterways, strong iron brace. It is a very practical standard to use in drilled or dug wells. Prices quoted are for standard without cylinder. This standard can be used with our Cylinder 4-B-2723, 4-B-2724, 4-B-2725.

4-B-2299. Price..... **$4.20**

Perfection Anti-freezing Lift Pump

This Pump is set length fitted for wells not deeper than 25 ft., but cylinder can be extended with additional pipe and pump rod into any depth well that can be pumped by hand. It is equipped with a heavy, strong handle, revolving top so that the handle can be operated at any angle from the spout. It has a large spout and is fitted with very best polished iron, brass lined, or brass body cylinder. Fitted with a 4-ft. set length for 6-in. stroke. Fitted for 1¼-in. Pipe.

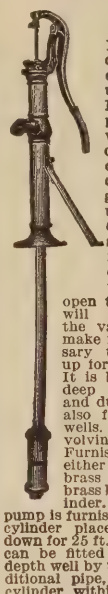
4-B-2269. 2½x10 in. Iron Cylinder. Price..... **$7.10**

4-B-2271. 3x10-in. Iron Cylinder. Price..... **$7.35**

4-B-2275. 2½x10-in. brass Body Cylinder Price..... **$8.80**

4-B-2277. 3x10-in. Brass Body Cylinder Price..... **$9.20**

Closed Top Anti-freezing



This Pump is designed for use in Public places where children or meddlesome grown-ups may drop stone, metal, etc., into the open top that will damage the valves or make it necessary to open up for repairs. It is built for deep drilled and dug wells, also for drive wells. Has revolving top. Furnished in either iron, brass lined or brass body cylinder. This pump is furnished with cylinder placed 4 ft. down for 25 ft. well but can be fitted for any depth well by using additional pipe, keeping cylinder within 15 or 20 ft. of the water. Fitted for 1¼-in. Pipe.

4-B-2281. 3x10-in. Iron Cylinder Price..... **$8.00**

4-B-2285. 3x10 in. Brass Body Cylinder. Price..... **$9.80**

Improved Windmill Standard Adjustable Stroke

Specially adapted for deep hard pumping wells. Fitted with strong long range bearer top, long heavy handle and adjustable stroke, 6, 8 and 10 in. For Windmills, Gasoline Engines, Pump Jacks or Hand Power Fitted for 1¼, 1½ or 2 in. pipe. Always shipped for 2 in. pipe with malleable connections for wood pump rods unless otherwise specified.

4-B-2297. Price..... **$7.50**

Two-Way Kitchen Force Pump

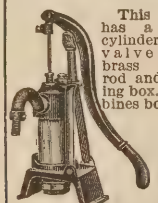
$5.95

This Pump is fitted with brass cylinder, brass valve seats, brass piston rod and stuffing box. It is tapped on top in the back of the head for 1-in. discharge pipe. It is a very powerful Pump and will maintain a high pressure. We recommend that this Pump be placed within 25 ft. of the water. Complete with Bibb.

4-B-2263. Size No. 1. 2½-in. Brass Cylinder fitted for 1¼-in. pipe. Price..... **$5.95**

4-B-2265. Size No. 2, 3-in. Brass Cylinder fitted for 1¼-in. pipe. Price..... **$6.45**

Improved Kitchen Force Pump



This Pump has a brass cylinder, brass valve seat, brass piston rod and stuffing box. Combines both features of a lift and force pump with a syphon spout with hose connection. It is tapped on top in the back of the head for a 1-in. discharge pipe. It will force the water to any desired elevation to the second or third floor or out on the lawn. The Trip to drain this Pump is operated by raising the handle to the extreme height.

4-B-2264. Size No. 1, 2½-in. Brass Body Cylinder fitted for 1¼-in. pipe. Price..... **$5.15**

4-B-2266. Size No. 2, in. Brass Body Cylinder, fitted for 1¼-in. pipe. Price..... **$5.65**

Anti-freezing Windmill and Hand Lift Pump

This is a very substantial general purpose Pump. Built specially strong for heavy pumping. It can be quickly changed from hand to windmill by simply withdrawing the malleable pump pin from the pump handle to connect on the windmill pump rod. Furnished with the best polished iron, brass lined or brass body cylinder. Pump is furnished with a 4-ft. set length suitable for wells up to 30 ft. deep. Also can be used for wells for any depth by using additional pipe and pump rods. Always keep the cylinder within 10 to 15 ft. of the water.

4-B-2293. 3x10-in. Iron Cylinder fitted for 1¼-in. pipe. Price **$8.60**

4-B-2295. 3x10-in. Brass Body Cylinder fitted for 1¼-in pipe. Price..... **$10.45**

"Perfection" Spray Pump

These Pump Barrels are made of seamless brass tubing. The bottom is brass with brass gauze strainer. The valves are hard vulcanized rubber balls. The pressure which is brought on the down stroke can be easily made from 75 to 125 lbs. The nozzle will throw a spray or solid stream, sprinkle or fine mist. Every pump is equipped with agitator to keep spraying solution stirred up. Each pump is fitted with 3 ft. of extra heavy 4 ply hose and nozzle.

4-B-2601. Price with bucket attachment..... **$4.20**

4-B-2601. Price, fitted with foot holder instead of bucket attachment... **$4.25**

Big Mouth Stock Pump

Especially adapted for stockmen's use. Where large volumes of water are to be realized by hand, this is the pump which we recommend. Built with a large waterway and reservoir, syphon spout, revolving head fitted for 2-in. pipe with 4-in. cylinder, strong braced and adjustable base; which is a feature of the great convenience after the pump is installed as it can be raised or lowered to raise suction pipe to free it from sediment at the bottom.

4-B-2290. 4x10 Iron Cylinder fitted for 2-in. pipe. Price... **$10.50**

4-B-2292. 4x10 Brass Cylinder fitted for 2-in. pipe. Price..... **$13.55**

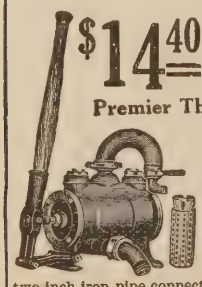
Double Acting Air Pump

This pump has a 36 in. iron handle, which gives ample leverage so that it can be operated with very little exertion. The cylinder and valves are of brass and pump is double acting and will provide a large column of air. The pump handle can be removed when pump is not in use. Diameter of the cylinder, 3½ ins.; length 5 ins.

4-B-2421 Price **$19.95**

Premier Thresher Tank Pumps

$14.40



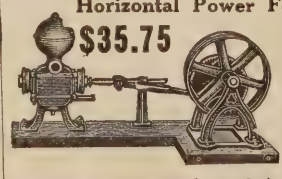
Large capacity double acting five-inch cylinder especially recommended where a large amount of water is required. Capacity, one to two barrels per minute. Furnished with goose neck discharge for one-inch hose, and suction for two-inch hose connection. By removing couplings can be used for two-inch iron pipe connection, or smaller size by using proper bushings. Has reversible head so that handle may be used on either side. Has brass valve seats and is superior to any tank pump on the market today. Suction strainer furnished free of charge with each pump.

4-B-2457. Pump complete as described. Price..... **$14.40**

4-B-2459. Five inches crimped plunger leathers for pump, per set of two..... **$1.00**

Horizontal Power Force Pump

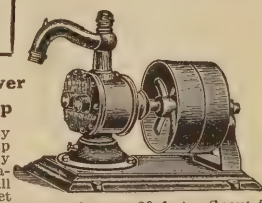
$35.75



Capable of working against moderately high pressure. All Bearings are babbitted. Valves are brass with leather facing. Has brass Stuffing Nut. Cross Head is heavy malleable iron. Air cocks are provided to drain pump in cold weather. Occupies floor space 22x44 inches. Has a vertical suction lift 30 feet or less. Size tight or loose pulleys, 14x2½ inches. Gearing ratio 3 to 1. Shipped from factory, Central Indiana.

	Dia. Cyl.	Suction Pipe.	Discharge Pipe.	Price Brass Cylinder.
4-C-2537...	3 in.	1½ in.	1¼ in.	$35.75

Rotary Power Force Pump



Largest capacity power force pump made. Especially adapted for irrigation purposes. Will force water 200 feet and throw a solid stream of water 30 feet. Spout is threaded for iron pipe at end and also at top. Bearings are babbitt lined. Cap on upper discharge can be placed on end of spout and water discharged vertically.

	Capacity, Gals.	Suction Pipe.	Discharge Pipe.	Pulleys Inches	Without Balance Wheel.
4-C-2503...	13	1¼	1	7x2½	$17.50
4-C-2505...	14	1¼	1	7x2½	20.40
4-C-2507...	17	1½	1¼	8x2½	23.50
4-C-2509...	27	2	1½	12x3½	42.00
4-C-2511...	36	2	2	12x3½	45.00

4-C-2513. Balance Wheel and Handle for Hand Power, extra..... **$7.50**

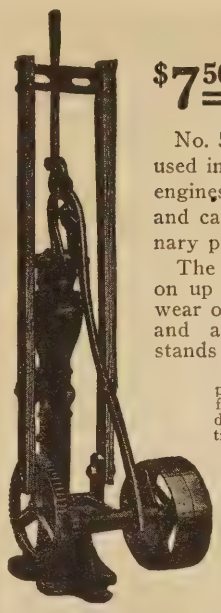
PUMP

$7.50 for Gas Engines or Belted Power

No. 550 and No. 660 Jacks are used in connection with gasoline engines or any other belt power and can be attached to any ordinary pump stand.

The pitman rods are vertical on up stroke so there is no side wear on the piston bar of pump, and are adjustable for pump stands of different heights.

Furnished with tight and loose pulleys, 12 inches in diameter, for 2-inch belt, and should be driven from 150 to 200 revolutions per minute.



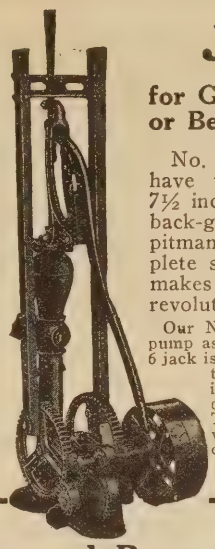
8-B-660
BASE JACK
Weight, 80 lbs.

JACKS

for Gas Engines or Belted Power $6.35

No. 550 and No. 660 Jacks have three strokes—5 inch, 7½ inch and 10 inch, and are back-geared 4¼ to 1 so the pitman rod makes one complete stroke while the pulley makes four and one-quarter revolutions.

Our No. 5 jack clamps direct to pump as shown in illustration. No. 6 jack is so constructed that it bolts to same platform that pump is attached to and can be used on the floor, wall or ceiling. This jack we recommend where it is not possible to clamp direct to pump.



Clamps Direct to Pump

8-B-550
CLAMP JACK
Weight, 70 lbs.

Double Back-Geared Pump Jack, $10.75

Fitted with two sets of driving gears. Has double the strength of the single geared type. Recommended for very deep wells.

It has three strokes, 4½, 7 and 10 inches, and is back geared 9¾ to 1, so that the driving pulley makes about 300 revolutions per minute while the pump is making 30 strokes per minute.

This is a most excellent jack to use with all sizes of gasoline engines; if you have a small engine you can belt direct without reducing its power or slowing engine down.

Pulleys are 12 inches diameter for 2-inch belt, but if these sizes do not give you the required speed other diameter pulleys can be furnished at a nominal cost. Weight, 96 pounds.

8-B-770. Double Back Geared Pump Jack. Price.....**$10.75**

Pump Cylinders

The most important part of the pump—Our cylinders are most carefully made, bored true, and plungers fit accurately.

A 10-inch cylinder has a 6-inch stroke; a 12-inch cylinder an 8-inch stroke; a 14-inch cylinder a 10-inch stroke and a 16-inch cylinder a 12-inch stroke.

2-inch cylinders are fitted for 1-inch pipe; 2½ or 3-inch cylinders fitted for 1¼-inch pipe; 3½-inch for 1½-inch pipe and 4-inch cylinders fitted for 2-inch pipe.

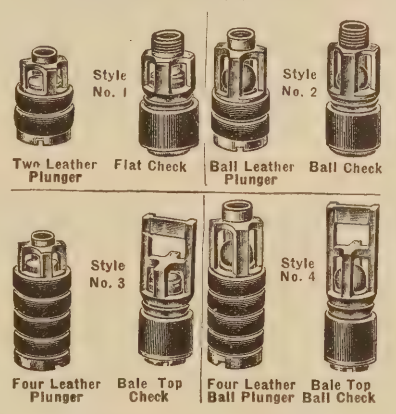
We recommend brass-body cylinders.

Iron Body Brass Lined Cylinders

4-C-2723.

Diam. Inch	Length, Inches 10	12	14	16
2	$2.75	$2.90	$3.10	$3.52
2½	2.95	3.15	3.40	3.90
3	3.30	3.50	3.90	4.95
3½	3.85	4.10	4.50	4.45
4	4.80	5.25	5.80	6.55

TUBULAR WELL VALVES



Our Tubular Well Valves are heavy and strong and of the **best quality** of brass, carefully and well finished inside and out, fitted with the best oak tan leathers.

Prices quoted below per set consist of check and plunger valve.

No.	Size Ins.	Lea.	Price Set	No.	Size ins.	Lea.	Price Set
4-B-2788	2	2	$3.00	**4-B-2791**	2½	4	$6.00
4-B-2789	2	4	3.75	**4-B-2792**	3	2	7.00
4-B-2790	2½	2	4.85	**4-B-2793**	3	4	8.60

Eureka Tubular Well Cylinder

Made of seamless drawn brass tubing with brass valves and designed to fit inside of the pipe in sizes as listed. The cylinder is perfectly flush, having no caps, making it possible to be slipped into pipe and set at any depth desired.

It can be readily removed for repairs or taken up and replaced in another well.

A seating tool is used for this purpose in connection with 1-inch pipe of sufficient length to lower seating tool to the depth which cylinder is to be placed. A spring coupling holds firmly to the walls inside of pipe. Length of stroke 12 inches.

Number	Size	Each
4-B-2777.	2 inch	$5.80
4-B-2778.	2½ inch	8.85
4-B-2779.	3 inch	12.75

BRASS BODY CYLINDERS WITH ALL BRASS PLUNGERS

4-B-2724½.

Diam. Inch	Length, Inches 10	12	14	16
2	$4.95	$5.70	$6.05	$6.45
2½	5.25	6.00	6.50	7.40
3	6.00	6.80	7.25	7.90
3½	7.10	8.50	9.10	9.90
4	9.60	11.15	11.75	12.70

ALL IRON CYLINDERS

4-B-2725

Diam. Inch	Length, Inches 10	12	14	16
2	$1.45	$1.90	$2.15	$2.20
2½	1.68	2.15	2.30	2.50
3	1.95	2.50	2.70	2.85
3½	2.72	3.20	3.55	4.00
4	3.45	4.10	4.60	5.15

LOWER VALVE LEATHERS

4-B-2726. Made from the best oak tanned leather.

Diam., Cylinder	2	2½	3	3½	4
Each	5c	6c	9c	11c	15c

PLUNGER LEATHERS

4-B-2727. Made from best oak tanned leather.

Diam., Cyl.	2	2½	3	3½	4
Each	10c	12c	15c	23c	28c

PUMP AND WELL ACCESSORIES

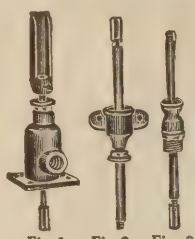


Fig. 1 Fig. 2 Fig. 3

Stuffing Box Heads

Used in connection with tubular wells in place of Pump Standards.

Stuffing Box Head (Fig. No. 1) with side outlet made of iron with polished steel rod. Fitted at top end with square wood rod socket.

Number	Pipe size, Inches	Stroke, Inches	Price, Each
4-B-2643	1¼	10	$3.95
4-B-2645	1½	10	3.95
4-B-2647	2	10	3.95

(Fig. No. 2), made of iron with ⅞-inch polished steel pump rod.

Number	Size, Pipe Inches	Stroke Inches	Price, Each
4-B-2649	1¼	10	$2.20
4-B-2651	1½	10	2.20
4-B-2653	2	10	2.20

(Fig. No. 3.), made of cast brass with ⅞-inch polished steel pump rod.

Number	Pipe, Size Inches	Stroke Inches	Price, Each
4-B-2655	1¼	10	$2.95
4-B-2657	1½	10	2.95
4-B-2659	2	10	2.95

Gauze Covered Strainers

4-B-2671. Used on the end of well and cistern pipe and is covered with brass cloth.

Size, inches	1	1¼	1½	2
Price, each	31c	36c	40c	56c

Tank Floats

To be used in connection with Float Valves. Stem being attached to valve lever to open and close automatically.

5-C-2689. Copper Floats. Size, 9½x2¾ inches. Price, each..... **$1.50**

5-B-2690. Copper Tank Floats. Size, 12x3 inches. Price, each..... **$1.90**

Little Giant Pipe Holder

4-B-2685. A new device for holding pipe. Will hold pipe sizes 1, 1½ and 2 ins. Dog has corrugated chilled surface, making it impossible for the pipe to slip. Strongly made and well finished. A thoroughly practical and satisfactory tool.

Price..... **$2.65**

Float Valves

5-C-2687. Reversible Float outlet valves for automatically controlling the flow of water in reservoirs, stock tanks, cisterns, etc., and is equally effective under high or low pressure. Valve opens with flow instead of against it. Valve will not stick and is not injured by freezing. By reversing the lever a perfect outlet valve is obtained.

Size, inches	¾	1	1¼
Price, each	$1.50	$1.75	$1.95

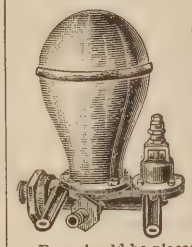
Drive Well Points

They are made of wrought iron pipe galvanized inside and out after the holes are punched. They are covered with brass gauze and have a great filtering surface. No. 60 gauze is generally used. No. 100 gauze is for quicksand. We can furnish either flush point for tubular well or with cast point for driving. Be sure and give number when ordering.

4-B-2661. Cast Point.
4-B-2663. Flush Point.

Diam. Inches	Length Inches	No. 60 gauze	No. 100 gauze
1¼	24	$1.60	$3.50
1¼	30	2.00	4.40
1¼	36	2.45	5.25
1¼	42	2.85	6.10
1½	30	2.60	5.15
1½	36	3.15	6.20
1½	48	4.20	8.00
2	36	4.60	8.25

Perfection Hydraulic Rams



Here is one of the most wonderful machines for water supply. It will automatically lift water to a tank or reservoir, providing it is placed so as to obtain a fall of 2 ft or more from the stream, or source of supply to this ram.

An example: If you are near a stream of water, so situated that you can secure a fall of 2 ft. or more from the water to the location of the ram, the ram will automatically discharge a certain portion of the water to a point considerably above and beyond the ram.

Ram should be placed below a Spring or stream of water at a distance varying from 25 to 50 feet. For every 10 ft. that you wish to elevate the water, the ram must be placed one foot below the level of the Spring. Should you wish to elevate the water to a height of 50 ft., ram would have to be placed at a point 5 ft. lower than the source of supply.

A ram with a 10 ft. fall will drive about 1-7 of the water furnished a distance of 100 to 200 rods to a position 100 to 200 ft. above the level of the ram.

Order No.	Size No.	Supply per min. to operate Ram, Gals.	Length of Drive Pipe, Ft.	Caliber of Pipes Ins. Dr.	Caliber of Pipes Ins. Dis.	Price
4-C-2517	3	2 to 4	50 to 75	1	½	$14.25
4-C-2519	4	3 to 7	50 to 100	1¼	¾	18.75
4-B-2521	5	6 to 11	50 to 150	2	1	23.00
4-B-2523	6	11 to 25	50 to 200	2½	1¼	48.00

Pump Stock and Dies

4-B-2619. 2 dies and 1 stock. Will cut full threads. Size, inches, ⅜ and ⅞. Price, each..... **$3.35**

Monitor Pipe Holder

4-B-2683. Capacity from 1 to 2 ins. Simple in construction and easily operated. The dog is chill hardened and will not wear. Grips the pipe perfectly and guaranteed not to slip. Price..... **$5.60**

Foot Valves

A combination Foot Valve and Strainer. It is placed on the end of pipe in the bottom of cistern or well and prevents anything passing into the pipe and thereby choking the cylinder. It also serves the purpose of a check valve, keeping water in the pipe and making priming unnecessary.

Number	Size	Price
21-B-2664.	For 1 in. pipe	$0.53
21-B-2665.	For 1¼ in. pipe	.61
21-B-2667.	For 1½ in. pipe	.78
21-B-2669.	For 2 in. pipe	1.05

Galvanized Pump Rod Couplings

To be used in connection with galvanized steel Pump Rod. These couplings are malleable iron heavily galvanized and are threaded.

4-B-2613. Size, ⅜ in., 14 threads to the inch. Price, each..... **5c**

4-B-2615. Size, ⅞ ins. 14 threads to the inch. Price, each..... **6c**

4-B-2617. Size, ⅞x⅜. Reducing pump rod coupling. Price, each..... **7c**

Water Conductors

21-B-2673. Used to conduct water from spout of pump to tank and are made with a swivel so water can be carried in any direction from the pump.

Size, inches	1¼	1½
Price, each	67c	67c

Murdock Lawn Hydrants

4-B-2693. The body of this Hydrant is ornamental and anti-freezing. When shut off, the valve at the bottom drains the body of the Hydrant. This valve can be removed from the top and be repaired without taking up the hydrant.

The tops of these hydrants are well constructed and nicely finished. All parts are made from the very best material and each hydrant is fully guaranteed.

Size, inches	¾	¾	1	1
To set in ground, ft.	3	4	3	4
Price	$5.50	$6.05	$6.90	$7.40

Drive Caps

4-B-2677. Used for driving pipe for Drive Wells. Guaranteed not to crush the thread.

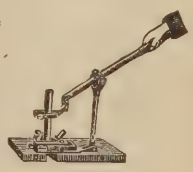
Size, inches	1¼	1½	2	2½	3	4
Price, each	25c	31c	52c	$1.26	$1.58	$1.90

Cast Steel Drive Shoes

4-B-2679. These shoes are made of cast special steel and have a recess as shown in illustration, to prevent the pipe from spreading or breaking off at end of threads. They have an inside shoulder to prevent the pipe from being forced through the shoe.

Size	Price Each	Size	Price each
2 inches	$0.90	4 inches	$2.95
2½ inches	1.25	4½ inches	4.20
3 inches	1.68	5 inches	4.75
3½ inches	2.80	6 inches	7.25

Babcock Pipe Lifter and Holder



4-B-2681. Used by well drillers. It is simple and perfect in its operation, guaranteed not to tear or damage pipe. Handles pipe from 1 to 2 inches inclusive.

Approximate weight, 45 pounds.

Price..... **$7.00**

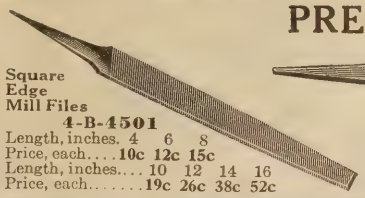
Well Wheels

4-B-2576. For use with rope, size, ½-inch or smaller. Can also be used with regular well chain. Width of frame, 10 inches. Japanned finish.

Price..... **90c**

General Hardware at Big Savings

PREMIER WARRANTED FILES



Square Edge Mill Files
4-B-4501

Length, inches.	4	6	8
Price, each....	10c	12c	15c

Length, inches....	10	12	14	16
Price, each.....	19c	26c	38c	52c

The best cutting and most satisfactory files manufactured. Made of special crucible steel, carefully hardened and tempered.

4-C -4502 Flat Bastard Files

Length, ins.	4	5	6
Price, each..	13c	14c	15c

Length, ins ..	8	10	12	14	16
Price, each ..	19c	25c	35c	46c	64c

RURAL MAIL BRASS PADLOCK

Solid hard brass inside works. Will not rust or corrode. Automatic spring shackle. Price includes 2 keys with each lock. One master key for use of mail carrier furnished with each dozen locks.

4-B-3747. Price, each, without chain..... **55c**
4-B-3749. With 6 inch brass chain. Price, each..... **65c**

BRONZE BICYCLE LOCK

Extra strong shackle and bolts, self locking spring shackle furnished with 10-inch nickel plated steel chain, with solid steel ring; 2 keys. A strictly first class lock.

4-B-3745, Price..... **45c**

6-LEVER WROUGHT STEEL

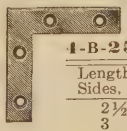
Solid rod steel case heavily brass plated and handsomely finished, six screw levers, all brass inside work; self locking spring shackle; 2 flat steel keys.

4-C-3739. Price, each..... **60c**

STEEL LOCK WITH BRASS DROP

Brass cover key hole, case made of annealed steel, contains no rivets or loose bolts, shackle made of highest quality malleable iron, 2 keys.

4-C-3727. Price, each..... **22c**

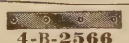


WROUGHT STEEL FLAT CORNER IRON

4-B-2565

Length of Sides, Ins.	Width Inches	Price per Doz.
2½	½	22c
3	½	24c
3	⅝	29c
4	¾	36c

Less screws.



4-B-2566

WROUGHT STEEL MENDING PLATES

Length, inches	Width, inches	Price, per Doz.
2	⅝	21c
3	¾	29c
4	⅞	36c

Less Screws.

WROUGHT STEEL CORNER IRON

4-B-2567
Less screws.

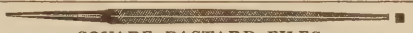
Length of Sides, Ins.	Width, inches	Price, per Doz.
1	½	15c
1½	⅝	19c
2	⅝	24c
2½	⅝	32c
3	¾	39c
4	⅞	68c

HALF ROUND BASTARD FILES
4-B-4505

Length, inches.....	6	8	10	12	14
Price, each.....	21c	27c	32c	42c	55c

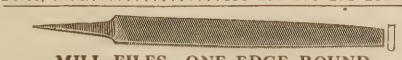
ROUND BASTARD FILES
4-B-4507

Length, inches.....	4	5	6	8	10	12
Price, each.....	10c	11c	13c	15c	20c	27c



SQUARE BASTARD FILES
4-B-4509

Length, inches.....	4	5	6	8	10	12
Price, each.....	13c	15c	17c	19c	26c	36c



MILL FILES—ONE EDGE ROUND
4-B-4511

Length, inches.....	8	10	12	14
Price, each.....	17c	22c	30c	50c

TAPER SAW FILES—SINGLE CUT
4-B-4513

Length, inches.....	3	4	5	6	7	8
Price, each.....	7c	7c	9c	12c	15c	19c

SLIM TAPER SAW FILES—SINGLE CUT
4-B-4515

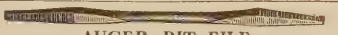
Length, inches.....	3	4	5	6	7	8
Price, each.....	7c	7c	9c	11c	14c	16c

CANT SAW FILE
4-B-4517

Length, inches.....	5	6	7	8
Price, each.....	16c	19c	22c	30c

HALF ROUND WOOD RASP
4-B-4521

Length, inches.....	8	10	12	14
Price, each.....	40c	47c	70c	90c



AUGER BIT FILE

4-C-4519. Suitable for filing any size auger bit without filing the screw or lip. Will save auger bits. Each **20c**

HUNTINGTON PATTERN EMERY WHEEL DRESSER

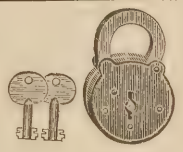
This Emery Wheel Dresser is used for purposes of truing, shaping and removing glaze from emery wheel while running at full speed. This tool will entirely remove glaze thereby causing the emery wheel to grind properly

4-B-2662. Price, with two sets of cutter. **56c**
4-B-2666. Extra cutters, per set..... **8c**

HOLLOW HANDLE AWL SET

4-B-4539. Hollow hardwood handle, 5 inches long, containing 50 ft. best waxed linen shoe thread, 3 awls and 5 needles, assorted sizes.

Price..... **80c**



WROUGHT STEEL PADLOCK

Heavily brass plated with self locking spring shackle, 6 screw levers, 2 double fitted barrel keys.

4-C-3757.... **33c**

8-LEVER RUST-PROOF STEEL

Heavily brass plated with heavy self locking spring shackle, 6 screw levers, 2 double heated barrel keys and strong durable lock. An exceptional value.

4-C-3755. Price..... **70c**

ORNAMENTAL STEEL LOCK

4-C-3729. One of our best values, ornamental brass plated steel case, strong spring shackle self locking with 2 flat steel keys. Price..... **31c**

3-LEVER BRASS PADLOCK

For outside use, heavy spring shackle, self locking, 2 flat steel keys. **4-C-3753** **82c**

SOLID STEEL PADLOCK

4-B-3725. Stronger and more durable than the old steel rod iron padlock. Case is made of annealed steel, contains no rivets or loose parts. Japan finish polish shackles, with 2 keys.

Price, each..... **20c**

STEEL WIRE FILE CLEANER

4-B-4533. Made with steel wire bristles. Price..... **27c**

WOOD FILE HANDLES

4-C-4537. Furnished in three sizes, large, medium and small. Be sure and give size wanted when ordering.

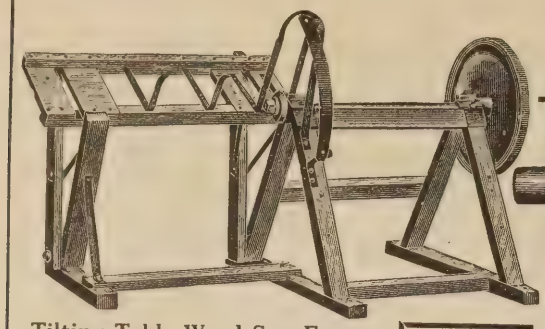
Price, each..... **5c**

INTERCHANGEABLE FILE AND TOOL HOLDER

4-B-2668. Will hold files and tools square, round or flat shank, smaller than ⅜ inch.

Price, each..... **17c**

WOOD SAW FRAMES



Tilting Table Wood Saw Frame with Pole Extension

Perfectly adapted for sawing either long poles or heavy logs, etc. Right hand frame furnished, unless otherwise specified. Mandrel 1½ inch diameter, turned to fit 1⅜ inch hole in saw. Fitted with 95 lb. balance wheel. Pulley, 5 inch diameter, 6 inch face. Prices, F. O. B. Cars, factory, near Chicago. Weight, 325 lbs. Shipped knocked down.

16-C-490. Frame complete, no saw. Price..... **$24.75**

TILTING TABLE WOOD SAW FRAME

We furnish the saw frame above without extension tilting table for sawing cordwood and short boards, etc.

16-C-500. Frame, complete, no saw. Price..... **$23.00**

Separate Parts

Build them Yourself. Here are the Parts, Mandrels, Balance Wheels, Boxes, Pulleys.

We offer for the convenience of those who wish to build their own saw frames, the following parts:

16-B-2515. Mandrel, 1½ in. in diameter only. Turned down to fit 1⅜ inch hole in saw. Weight about 35 lbs. Length 49"..... **$3.40**

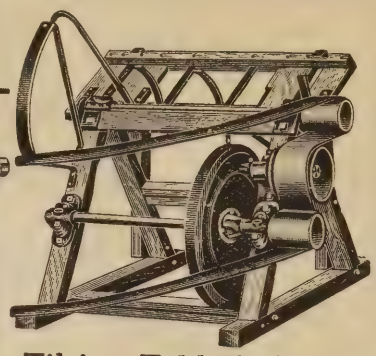
16-B-2517. Babbitted Bearing Boxes, connected. Weight about 35 lbs. Price per set..... **$3.40**

16-B-2519. Balance Wheel. Weight 95 lbs. Price each..... **$7.15**

16-B-2521. Belt Pulley, 5 in. in diameter, 6-inch face. Weight 11 lbs. Price..... **$1.50**

16-C-2523. Consists of Mandrel shaft complete with balance wheel, boxes and belt pulley. Weight 170 lbs. Price..... **$14.55**

NOTE—When ordering pulley and balance wheel separately, unless otherwise stated, they will be furnished to fit 1½ inch shaft.



Tilting Table Pole Saw Frame

Constructed of fine hardwood. Braced and bolted. Balance wheels on separate shaft, entirely out of the way so that long poles may be sawed. The power is fed direct to saw. Mandrel 1½ inch diameter, turned to fit 1⅜ inch hole in saw. Pulley 5 inch diameter, 6 inch face. Fitted with 95 lb. balance wheel. Weight, 350 lbs. The prices quoted are F. O. B. factory, near Chicago. Shipped knocked down.

16-C-511. Without saw. Price..... **$29.50**

4-C-4203
Solid Tooth Cut-Off Saw

Premier Circular Saws

Made of highest grade crucible steel, tough and perfectly tempered. Carefully made in one of America's leading factories. Accurately ground and filed by hand. Fully guaranteed.

4-C-4201
Solid Tooth Rip Saw

Prices of Rip and Cut-Off Saws

Be sure to state diameter, gauge, hole, lot No., whether rip or cut-off saw, whether for left or right hand mill.

Diameter	Thickness Gauge	Size Hole	Shipping Weight	Price	Diameter	Thickness Gauge	Size Hole	Shipping Weight	Price
6	18	¾	7 oz.	$ 1.48	34	9	1⅝	50 lbs.	$ 18.45
8	18	⅞	1 lb.	1.98	36	9	1⅝	65 lbs.	21.15
10	16	1	2½ lbs.	2.52	38	9	1⅝	92 lbs.	36.75
12	15	1	4 lbs.	3.15	40	9	2	102 lbs.	42.18
14	14	1⅛	6 lbs.	3.83	42	8	2	110 lbs.	48.30
16	14	1⅛	8 lbs.	4.73	44	8	2	120 lbs.	56.47
18	13	1¼	10 lbs.	5.63	46	8	2	130 lbs.	66.68
20	13	1 5/16	12 lbs.	6.75	48	8	2	137 lbs.	76.20
22	12	1 5/16	15 lbs.	7.88	50	7	2	155 lbs.	86.40
24	11	1⅜	20 lbs.	9.23	52	7	2	168 lbs.	98.60
26	11	1⅜	24 lbs.	10.80	54	7	2	175 lbs.	106.00
28	10	1½	28 lbs.	12.60	56	7	2	182 lbs.	122.00
30	10	1½	33 lbs.	14.40	58	7	2	190 lbs.	136.00
32	10	1⅝	35 lbs.	16.43	60	6	2	205 lbs.	152.00

Cord Wood and Pole Saws

4-C-4213. Natural Oil Temper finish. Manufactured by expert mechanics and high grade material. They are ground, hand filed, set and sharpened for the use intended, but are not constructed for high speed works.

Any size saw and mandrel hole on saws furnished direct from factory if specified; otherwise we ship saws with 1⅜ inch mandrel hole.

Diam. Inches	Gauge, No.	Size hole, Inches	Price
20	13	1⅜	$2.50
22	12	1⅜	2.95
24	11	1⅜	3.45
26	10	1⅜	4.05
28	10	1⅜	4.70
30	10	1⅜	5.40

Circular Saw Mandrels

Our circular saw mandrels are the highest grade and guaranteed to give satisfactory service. Bearings are extra long and made of specially chilled iron and are well babbitted The shaft is cold rolled steel.

16-C-530. Pulley in center.
16-C-531. Pulley on right hand side, with left hand thread.

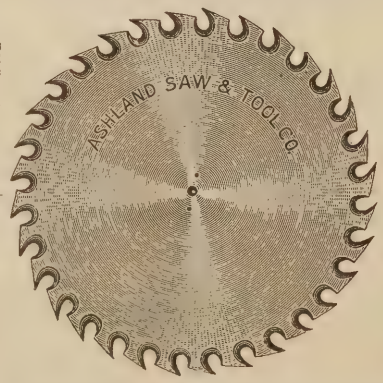
Size	Diam. Pulley	Face of Pulley	Lgth. Shaft	Diam. Shaft	Hole in Saw	Price Each
0	2	3	16	⅞	¾	$3.75
1	2½	3½	16	1 1/16	1	4.70
2	3	4	19	1 3/16	1⅛	5.25
3	3½	4½	21	1 3/16	1¼	7.60
4	4	5	24	1 7/16	1 9/16	8.90
5	4½	5½	26	1 7/16	1 9/16	10.55
6	5	6	28	1 7/16	1⅜	11.10
7	5½	6½	30	1 7/16	1⅜	11.70
8	6	7	32	1 9/16	1½	12.95
9	7	8	37	1 9/16	1½	15.10
10	8	8	41	1 9/16	1⅝	17.30
11	9	10	41	2 9/16	2	25.90

Inserted Tooth Saws

4-C-4205. The mandrel holes on the rough plates are 2 inches in diameter, with 2⅝ inch pin holes spaced 3 inch, center to center. When ordering be sure to state number of teeth wanted, diameter, gauge at center and at rim, horsepower of engine, r. p. m., while cutting, rip or cross-cut, right or left hand mill. No cancellation of order. One full set of extra Teeth, two Shanks and one Wrench furnished with each saw. Can furnish one gauge heavier or lighter, for same price.

Diameter Inches	Gauge	Size of hole, Ins.	No. of Teeth	Price, Each
40	8	2	26	$ 81.50
42	8	2	28	87.50
44	8	2	30	96.00
46	8	2	32	104.00
48	8	2	34	116.50
50	8	2	36	128.00
52	7	2	38	142.50
54	7	2	40	160.00
56	7	2	42	180.50
58	7	2	44	198.00
60	7	2	46	218.50

Prices of steel bits, extra holders for points and inserted tool wrench on request.



Band Saw Blades

4-B-4427. Made from special tool steel, they are extra flexible and made to stand hard usage.

Wth. Ins.	No. Gauge	Length, feet 10	12	14	16	18	20
¼	21 or 22	$2.20	$2.64	$3.08	$3.52	$3.96	$4.40
⅜	21 or 22	2.50	3.00	3.50	4.00	4.50	5.00
½	21 or 22	2.80	3.36	3.92	4.48	5.04	5.60
9/16	21 or 22	3.50	4.20	4.90	5.60	6.30	7.00
¾	21 or 22	3.80	4.56	5.32	6.08	6.84	7.60
1	20 or 19	4.80	5.76	6.72	7.68	8.64	9.60

CROSS CUT SAWS

Made of High Grade Special Saw Steel, unequaled in material, workmanship and temper. Premier Cross-Cut Saws are accurately ground, filed and hand set. Each saw is closely inspected and tested at the factory before shipment. They are the fastest cutting and easiest running saws manufactured. All saws are sharpened, ready for use. We guarantee every saw to give perfect satisfaction or money refunded.

Perforated Lance Tooth Cross Cut Saw

4-B-4101. A general favorite with the lumbermen. Thin back, ground 4 gauges thinner on back than on cutting edge. An easy and fast cutter. Will not bind in the timber. Each saw most carefully tempered, filed and hand set. Guaranteed fully in every particular. Prices do not include handles.

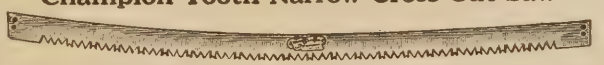
Length, feet	5	5½	6	6½	7
Price	$2.70	$2.97	$3.24	$3.51	$3.78

Champion Tooth Wide Cross Cut Saw

4-C-4103. Taper ground, thin back, set and sharpened. A strictly first class saw, fully warranted. Prices do not include handles.

Length, feet	5	5½	6	6½	7
Price	$2.31	$2.55	$2.77	$3.00	$3.23

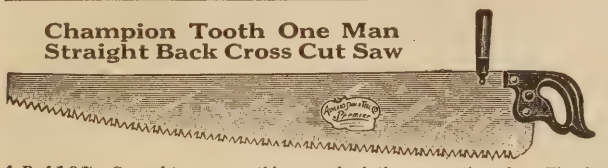
Champion Tooth Narrow Cross Cut Saw



4-B-4105. Properly tempered, set and sharpened. Each saw fully warranted Prices do not include handles.

Length, feet	5	5½	6	6½
Price	$1.35	$1.48	$1.62	$1.77

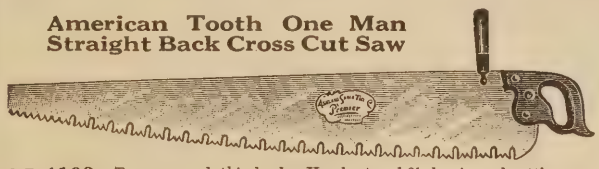
Champion Tooth One Man Straight Back Cross Cut Saw



4-B-4107. Ground two gauges thinner on back than on cutting edge. Fitted with supplementary handle. You cannot buy a better saw at any price. Guaranteed to give entire satisfaction.

Length, feet	3	3½	4	4½	5
Price	$1.70	$2.00	$2.27	$2.55	$2.85

American Tooth One Man Straight Back Cross Cut Saw



4-B-4109. Taper ground, thin back. Hand set and filed. A good cutting saw that will give excellent service. Fully warranted.

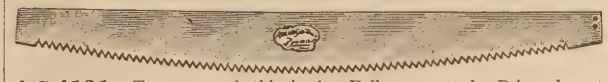
Length, feet	3	3½	4	4½	5
Price	$1.74	$2.03	$2.32	$2.61	$2.90

Diamond Tooth Cross Cut Saw

4-B-4129. Ground to a true taper. 4 gauges thinner on back than on cutting edge. Prices do not include handles. Fully warranted.

Length, feet	5	5½	6	6½	7
Price	$2.68	$2.95	$3.22	$3.50	$3.75

Plain Tooth Cross Cut Saw



4-C-4131. Taper ground, thin back. Fully warranted. Prices do not include handles.

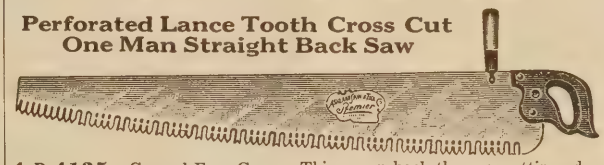
Length, feet	5	5½	6	6½	7
Price	$2.30	$2.56	$2.78	$3.03	$3.25

Champion Tooth Felling Saw

4-C-4133. The best felling saw made. Fully warranted. Prices do not include handles.

Length, feet	5	5½	6	6½	7
Price	$2.32	$2.57	$2.80	$3.05	$3.27

Perforated Lance Tooth Cross Cut One Man Straight Back Saw



4-B-4135. Ground Four Gauges Thinner on back than on cutting edge. The most popular and fastest cutting saw manufactured. Fully warranted.

Length, feet	3	3½	4	4½	5
Price	$1.96	$2.28	$2.60	$2.92	$3.26

American Tooth One Man Skew Back Cross Cut Saw

4-B-4137. Taper ground, thin back, properly tempered and hand set and filed.

Length, feet	3	3½	4	4½	5
Price	$1.80	$2.10	$2.40	$2.70	$3.00

ONE MAN CROSS CUT SAW HANDLES

4-B-4143. Selected beechwood. Varnished Edges. Without screws. Price..... **20c**

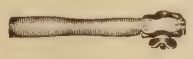
4-B-4145. Supplementary handles, with rivet. Each..... **25c**

STEEL ICE TONGS

4-B-4147. Drop Forged Steel. Constructed in a superior manner and will handle 200 pounds..... **$1.45**

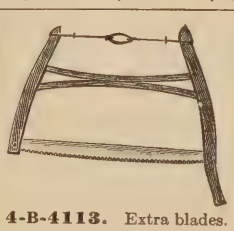
WHITING PATTERN SAW SET

4-B-4125. Highest grade steel, properly tempered. Price, each..... **60c**



4-B-4151. Reversible Pattern. Per pair.. **35c**

4-C-4149 Loop Pattern. For two-man cross-cut saw. Per pair..... **32c**

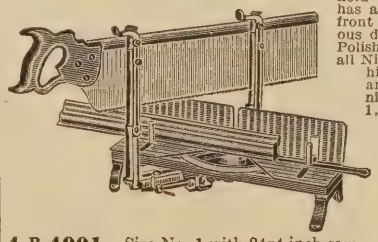


Buck Saws 95c

4-B-4111. Selected hardwood frame. Painted red. With tinned rod, blued clock spring blade, 2¼ inches wide, properly tempered. "V" shaped teeth, set and sharpened, ready for use. Fully warranted. Price..... **95c**

4-B-4113. Extra blades. Price, each..... **50c**

Langdon Acme Mitre Boxes



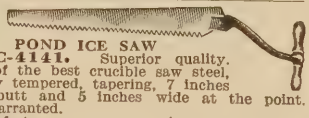
Guides are long; hold the saw steady, has a graded arc in front with the various degrees marked. Polished parts are all Nickel Plated. A high grade guaranteed saw furnished Size No. 1, capacity at right angles 7½, capacity at the Miters 5 inches. Size No. 2, 2½ capacity, at right angles 10¼ inches, at Miter 7 inches.

4-B-4901.	Size No. 1 with 24x4 inch saw	$16.70
4-B-4903.	Size No. 2 with 26x4 inch saw	18.75
4-B-4905.	Size No. 2½ with 28x5 saw	20.70
4-B-4907.	Size No. 2½ with 30x5 saw	21.45

HAND ICE SAW

4-C-4139. For wagon use. Extra crucible steel blade, fitted with iron handles. Each saw is properly tempered and fully guaranteed.

Length, inches	24	26	28	30
Price, each	$1.25	$1.35	$1.45	$1.55



POND ICE SAW

4-C-4141. Superior quality. Made of the best crucible saw steel, properly tempered, tapering, 7 inches at the butt and 5 inches wide at the point. Fully warranted.

Length, feet	4	4½	5
Price, complete with tiller handle	$3.50	$3.80	$4.15

ADJUSTABLE BENCH STOP

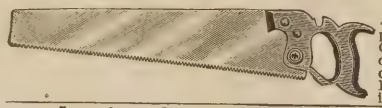
4-C-4153. Instantly adjustable to any position. Reversible head can be raised 2 inches above bench. Price... **88c**

ADJUSTABLE BENCH STOP

4-C-4127. Reversible screw adjustment. Cast steel head. May be raised by means of adjusting screw Price..... **75c**

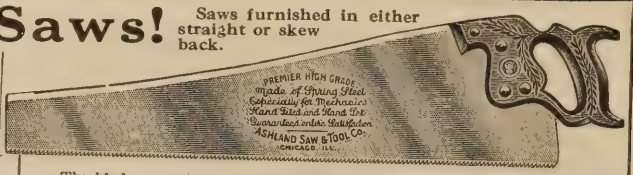
High Grade Hand Saws!

Saws furnished in either straight or skew back.



Nail Cutting Saw

4-B-4835. Will cut nails, pipes, bolts, soft sheet metal. Can be filed but does not require setting, being taper concave ground. Length of blade, 18 inches. Price..... **$2.45**



The blades are of special refined spring steel, perfectly tempered, full taper ground, thin back. The teeth are full beveled, hand filed and hand set and will hold a fast cutting edge. The handles are correct in shape, giving the proper hang. 26 and 28 inch saws have five brass screws and the smaller sizes have four.

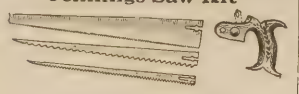
4-B-4823. Premier extra high grade skew back, panel or hand saws.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12	**$2.00**
20 in. panel.	9, 10, 11 or 12	**2.10**
22 in. panel.	9, 10, 11 or 12	**2.20**
24 in. hand.	8, 9, 10 or 11	**2.30**
26 in. hand.	7, 8, 9, 10 or 11	**2.45**
28 in. hand.	6, 7 or 8	**2.75**

4-B-4825. Skew back Premier extra high grade rip saws.

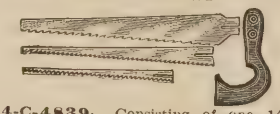
Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½	**$2.30**
26 in.	5, 5½ or 6	**2.45**
28 in.	4, 4½, 5, 5½ or 6	**2.75**

Jennings Saw Kit



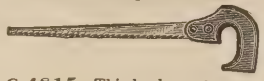
4-C-4837. Consists of one 14-inch nail cutting, one 14-inch compass blade, one 12-inch keyhole blade. Adjustable handle. Blades interchangeable. Price..... **$2.15**

Nest of Saws



4-C-4839. Consisting of one 14-inch panel saw, one 14-inch compass saw, one 12-inch keyhole saw. All interchangeable. Price..... **$1.05**

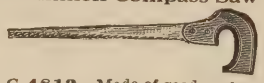
Best Compass Saw



4-C-4815. Thin back evenly tempered. Full bevel, filed and set. Beechwood handle, two screws.

Length, inches	12	14	16
Price	45c	50c	60c

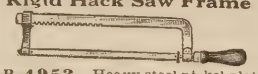
Common Compass Saw



4-C-4813. Made of good grade cast steel. Spring tempered, filed and set. Beechwood handles.

Length, inches	12	14
Price	20c	22c

Rigid Hack Saw Frame



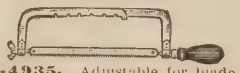
4-B-4953. Heavy steel nickel plated frame, adjustable to take blade from 6 to 12 inches. Price, with one 10-inch blade..... **$1.75**

Miter Box Saws

4-B-4918. Made from high grade tool steel, hand filed, set ready for use, heavy back. Width of blade under back, 4 inches.

Length, inches	22	24	28
Price, each	$2.85	$3.05	$3.45

Nickel Plated Hack Saw Frame



4-B-4935. Adjustable for blade at four angles, takes blades 8 to 12 inches. Price, each, complete with one 8-inch blade..... **39c**

Steel Frame Coping Saw

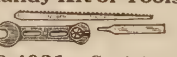
4-C-4817 Nickel - plated steel frame. Depth of cut, 4 ins. Complete with 13 6-inch tempered steel blades. Price..... **20c**

Hack Saw Blades

Fast cutting Hack Saw Blade, made of special high carbon steel, properly tempered and are guaranteed to give first-class satisfaction. Suitable for cutting tool steel and other metals.

4-C-4937. Length, ins.	8	9	10	12
Price, per dozen	40c	45c	63c	75c

Handy Kit of Tools



4-B-4931. Consisting of keyhole saw and pad, chisel, screw driver, two wrenches, awl, bit handle. Per set..... **9c**

Premier Hand Saws

Premier Saws are hand made, hand smithed, hand blocked, hand filed and hand set. Every detail in the manufacture is perfect.

4-B-4801. Premier extra high grade straight back, panel or hand saws.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12	**$2.00**
20 in. panel.	9, 10, 11 or 12	**2.10**
22 in. panel.	9, 10, 11 or 12	**2.20**
24 in. hand.	8, 9, 10 or 11	**2.30**
26 in. hand.	7, 8, 9, 10 or 11	**2.45**
28 in. hand.	6, 7 or 8	**2.75**

4-B-4803. Premier extra high grade, straight back, rip saws.

Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½	**$2.30**
26 in.	5, 5½ or 6	**2.45**
28 in.	4, 4½, 5, 5½ or 6	**2.75**
30 in.	4½ or 5	**3.00**

"Chicago Special" Hand Saws

The best general purpose saw ever offered. Made of high grade crucible saw steel, smithed and blocked by hand. Full taper ground, thin back. Teeth are full beveled, hand filed and hand set.

4-B-4805. Chicago Special panel or hand saws.

Length	Points to the inch	Each
18 in. panel.	9, 10, 11 or 12	**$1.80**
20 in. panel.	9, 10, 11 or 12	**1.90**
22 in. panel.	9, 10, 11 or 12	**2.00**
24 in. hand.	8, 9, 10 or 11	**2.10**
26 in. hand.	7, 8, 9, 10 or 11	**2.15**
28 in. hand.	6, 7 or 8	**2.40**

4-B-4807. Chicago Special rip saws.

Length	Points to the inch	Each
24 in.	5, 5½, 6 or 6½	**$2.10**
26 in.	5, 5½ or 6	**2.15**
28 in.	4, 4½, 5, 5½ or 6	**2.40**

Favorite Hand Saws

Made of good grade saw steel, set sharpened and ready for use. Hardwood handle, brass screws.

4-B-4809. Favorite panel or hand saws.

Length	Points to the inch	Each
22 in. panel.	10 or 12	**$1.20**
24 in. hand.	8, 9, or 10	**1.30**
26 in. hand.	8, 9 or 10	**1.40**

4-B-4811. Favorite rip saws.

Length	Points to the inch	Each
26 in.	5½ or 6	**$1.40**
28 in.	5, 5½ or 6	**1.60**

Morrell's Saw Set

4-B-4919. Morrell's saw set for handle buck board and jig saw has hardened steel anvil plunger. Price..... **60c**

Improved Anvil Saw Set

4-C-4921. The anvil and plunger are hardened. The spring is of tempered steel, polished nickel-plated finish, weight, 10 ounces. Price, each..... **90c**

Revolving Saw Set

4-C-4923. Shows the required bevel and length of all saws ranging from 4 to 16 teeth to the inch. Figure on dial indicates number of teeth to the inch and always in sight. Price. **$1.25**

C. E. Jennings & Co.'s No. 70½ Narrow Blade Hand Saws

Ground thin on back and guaranteed to run without set.

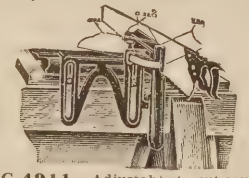
4-B-4827. Jennings' No. 70½ panel or hand saws.

Length	Points to the inch	Each
22 in. panel.	10, 11 or 12	**$3.35**
24 in. hand.	8, 9 or 10	**3.45**
26 in. hand.	7, 8, 9 or 10	**3.75**

4-B-4829. Jennings' No. 70½ rip saws.

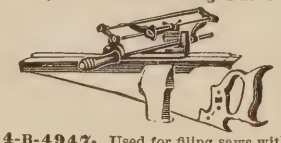
Length	Points to the inch	Each
26 in.	5 or 6	**$3.75**
28 in.	4½, 5 or 5½	**4.00**

Seavey Miter Box and Saw Guide



4-C-4911. Adjustable to cut square or at an angle of 22½, 30 and 45 degrees. Panel or hand saw may be used with this guide. Price, without saw..... **$2.80**

Adjustable Saw Filing Guide



4-B-4947. Used for filing saws with any style bench vise, can always be used in connection with the regular saw vise, adjustable to file at any angle any bevel and exact depth. Japanese finish. Price, complete, with file..... **$1.75**

Genuine Henry Disston Hand Saws

Diston "D" 8 hand hammered Saws. The best known popular brand saw on the market. Spring steel patent ground and tempered. Skew back, applewood handle.

4-B-4831. 26 in. Hand saw 8, 9 or 10 points. Price..... **$5.70**

4-B-4833. 28 in. Rip Saw. 5 or 5½ points. Price..... **$6.00**

Saw Filing Guide and Vise

4-B-4949. The ball and socket, which connect the clamp to the vise permits the clamp to be turned in either direction. Jaws are 10½ inches rubber faced, which holds the saw firmly. Price..... **$2.90**

Perfection Pattern Miter Box

4-C-4909 A strong, serviceable, miter box. Saw guide can instantly be set at angle 22½, 30 and 45 degrees. Back saw, panel or hand saw can be used. Weight, 9 lbs. Price..... **$5.00**

Cross Cut Saw Tool

4-C-4945. Cross cut saw filer jointer tooth gauge cutting block, a tool that keeps cross cut saws in perfect condition. Price, with file and directions..... **38c**

Saw Jointer and Skate Sharpener

4-C-4917. Adjustable to any thickness, saw blade can be used with any file. Price, each..... **50c**

Adjustable Saw Vise

4-B-4925. For attachment to work bench this vise has a malleable iron screw clamp and lever and cam to hold it in position. Width of jaws, 9½ inches. Japanned finish. Weight, 4½ lbs. Price..... **$1.00**

Ball and Socket Saw Vise

4-B-4941. The reliable ball and socket saw vise is adjustable with bench clamp and can be set at any angle. Length of jaws, 9¼ inches. Japanned finish. Weight, 9 pounds. Price, each.... **$1.59**

Brass Saw Handle Screws

4-B-4841. Each..... **5c**

4-B-4843. Each..... **7½c**

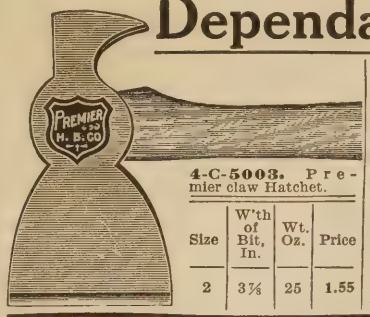
Beechwood Saw Handles

4-B-4819. For hand and rip saws. Price, each..... **20c**

4-B-4821. For panel saws. Each **17c**

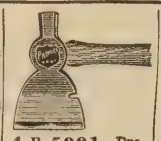
Dependable Tools

Strictly first quality, guaranteed to be perfect in material, workmanship and finish, and to give absolute satisfaction. Especially adapted for mechanics' use; forged from high grade steel, carefully tempered. Handles are selected white hickory, properly balanced and shaped.



4-C-5003. Premier claw Hatchet.

Size	W'th of Bit, In.	Wt. Oz.	Price
2	3⅞	25	1.55



4-B-5001. Premier Shingling Hatchets.

Size..	1	2	3
Width of Bit, Inch..	3½	3⅞	4½
Wt., Oz....	17	23	29
Price	1.25	1.30	1.37

4-B-5007 Premier High Grade Lathing Hatchets.

No. In. wt. oz.	
Size 12½ 14	$1.25
Size 22¾ 17	1.30

4-B-5011. Premier Special Bell Poll Shingling Hatchet.

Size.....	1
Width of Bit.	3 in.
Weight.....	17 oz.
Price.....	$1.60

Premier Special Underhill Pattern Lathing Hatchet.

4-C-5029 Forged from extra tool steel, properly tempered, full polished. Width of bit, 2 in. Weight, not including handle, 15 oz. Price..... **$2.35**

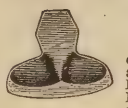
4-B-5013 Premier Bell Poll Half Hatchet.

Size.....	2
Wd. of Bit.	2½ in.
Weight....	17 oz.
Price.....	$1.50

4-C-5009 Premier Broad Hatchet.

No.	In. wt.	Price
2	4½ 1¾	$1.75
3	5 2½	2.00
4	5½ 2¾	2.20
5	6 3	2.40

Broadaxes



4-B-5127 Round corner Canada pattern Broadaxes. Made of high grade steel, properly proportioned. Ready for use. Handles not included.

Wt., lbs.	6	7	7½	8
Wt., cut in.....	10½	11½	12	12½
Each...	6.36	6.66	6.90	7.02

Carpenters' Adzes

4-B-5025 Forged from high grade steel. Has fine cutting edge, properly tempered. Handles not included.

Weight Lbs....	3¼	3½	3¾
Width In....	3½	4	4½
Cut Price..	$1.80	$1.80	$1.80

Woodchoppers' Wedges

4-B-5129 Regular pattern made from high grade steel, oil finished.

Wt., lbs.	4	5
Price....	35c	43c

Malleable Iron Axe Wedge

4-B-5121 Made with a screw, which prevents handle from pulling out.

Price, each..... **3c**

Truckes Pattern Woodchoppers' Wedge

4-B-5131 Made of the highest grade crucible steel, oil finished.

Wt. Lbs.	Price
4	40c
6	57c
8	76c

Saw Wedges

4-B-5133 Tool steel, oil finished. Wt., lbs. 1½ Price... **13c**

Adjustable Plane Gauge

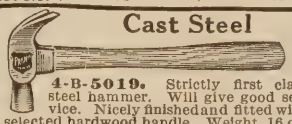
4-B-5279. For Planing Bevels of any angle or square joints, without use of a tri-square or bevel. Can be quickly attached or removed. Price..... **$1.10**

Oregon Pattern Mauls

4-B-5135

Wt. Lbs.	Price
5	77c
6	92c
7	$1.07
8	1.23

Cast Steel



4-B-5019. Strictly first class steel hammer. Will give good service. Nicely finished and fitted with selected hardwood handle. Weight, 16 oz. Price..... **37c**

Holding Hammer

4-B-5035. With groove on side to hold nails size 10 penny and smaller. Made of the highest crucible steel and properly tempered. Second growth hickory handles properly fitted and wedged to head. Fully guaranteed. Weight 19 ounces, not including handles. Price..... **$1.67**

Bell Face

4-C-5037. Made of high grade crucible steel, properly tempered, with second growth hickory handle, properly fitted and wedged to head. Every hammer fully guaranteed.

Weight..	20 oz.	16 oz.	13 oz.	7 oz.
Price....	$1.15	$1.10	$1.05	$1.00

Nail Hammer

4-C-5033. Forged from extra tool steel, carefully tempered. Octagon poll, full nickel plated finish. Carefully selected handles.

Size.....	1	1½
Wt., not including handle, lbs.	1¼	1
Price.....	$1.60	$1.55

Ever Ready Handled Axes

4-B-5115. Ever Ready axes are carefully forged, properly shaped and finished in a superior manner. Handles are hickory stained, properly fitted to axe. A better axe at a lower price than ever before offered. Each and everyaxe guaranteed.

Weight.....	3 lbs.	3½ lbs.	4 lbs.	4½ lbs.
Price.....	$2.20	$2.25	$2.30	$2.35

Single Bit Axes

4-B-5111 The best axe offered for all ordinary purposes. Forged from good grade of steel. Michigan pattern.

Weight	Price
3 lbs.....	$1.68
3½ lbs.....	1.74
4 lbs.....	1.80
4½ lbs.....	1.86
5 lbs.....	1.92

Double Bit Axes

4-B-5117 Strictly hand forged and properly proportioned. Bits are double refined crucible steel. Natural forge temper finish. Michigan pattern.

Weight	Price
3 lbs.....	$2.34
4 lbs.....	2.40
4½ lbs.....	2.46
5 lbs.....	2.52

Iron Block Planes

4-B-5273. Double End iron Block Plane. With two slots and two seats for cutter. Length, 8 inches, 1¾ inch cutter. Price.. **$1.20**

4-C-5313. Selected beechwood Fore Plane Handles. Price, each... **18c**

4-B-5265. Iron Block Plane. 5½ inches long, 1¾-inch cutter. Price.... **60c**

4-B-5267. Iron Block Plane. 7 inches long, 1¾-inch cutter. Price.... **84c**

Jack Plane

The castings are made of special gray iron. The bottoms of the planes are as smooth. The cutters are made of the highest grade steel. Fitted with an adjusting lever. Handles and knobs are genuine mahogany. Smooth bottom iron jack plane 14 inches long, 2-inch cutter. **$3.00**

4-B-5260.....

4-B-5262. Corrugated bottom..... **$3.10**

4-B-5311. Selected beechwood jack pine handles. Price, each **12c**

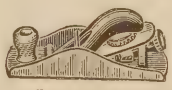
Iron Block Planes

Adjustable iron smooth plane, 9 inches long, 2-inch cutter.

4-B-5201. Smooth bottom. Price..... **$2.50**

4-B-5203. Corrugated bottom. Price..... **$2.60**

4-B-5277. Knuckle Joint Improved Throat Adjustment. 6¼ inches long, 1¾-inch cutter. Price..... **$1.85**



4-B-5271. Adjustable Block Plane. 7 inches long, 1¾-inch cutter. Price. **$1.25**

SOCKET CORNER CHISEL

4-B-5617. Properly tempered; selected Hickory handles, with iron ring on end to prevent splitting.

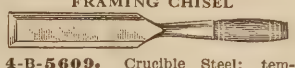
Size, inches.....	¾	1
Price, each.....	80c	86c

PLAIN EDGE CHISEL

4-B-5607. Made of special high grade steel, carefully tempered. Handles White Hickory, leather tips.

Size, inches.	⅛	¼	⅜	½	⅝	¾
Price, each..	40c	41c	42c	43c	45c	46c
Size, inches.	⅞	1	1¼	1½	1¾	2
Price, each..	51c	52c	56c	59c	75c	80c

BEVELED EDGE SOCKET FRAMING CHISEL



4-B-5609. Crucible Steel; tempered. Hickory handle with iron rings.

Inch.....	⅜	½	¾	1
Each.....	60c	62c	65c	72c
Inch.....	1¼	1½	1¾	2
Each.....	79c	90c	$1.07	$1.15

HIGH GRADE SOCKET BUTT CHISELS

Length of blade about 3½ inches. Leather tip; solid Hickory handle.

Length, in.	1	1¼	1½	1¾	2
4-B-5655. Price, each.	55c	58c	60c	75c	80c

COACH MAKERS' KNIVES

4-B-5635. Narrow blade, made from crucible steel. Tangs will not pull out.

Size, Inches	Price, Each
8	$1.40
10	1.65
12	1.90

Chisel Handles

4-C-5643. Selected hickory, with iron rings on end to prevent splitting.

Price, each **5c**

HIGH GRADE BEVELED EDGE LEATHER TIP SOCKET FIRMER CHISEL

4-B-5601. Made of the best steel. Handles are of select White Hickory, leather tip.

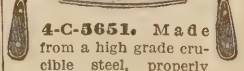
Size, Inches....	⅛	¼	⅜	½	⅝	¾
Price, Each....	45c	46c	47c	48c	50c	51c
Size, Inches....	⅞	1	1¼	1½	1¾	2
Price, Each....	57c	58c	62c	65c	69c	86c

Chisel Handles

4-C-5625. Selected hickory, 3 layers, best oak tan leather.

Price, each **6c**

DRAWING KNIVES



4-C-5651. Made from a high grade crucible steel, properly ground and tempered. Tangs will not pull out.

Length, in.	8	10	12
Price, each	$1.20	$1.30	$1.60

4-B-5323. Satisfactory brace. 7/16 inch cold drawn steel sweep, natural finish. Nicely polished head and handle.

Sweep	Price
8 inches	75c
10 inches	80c

BALL BEARING RATCHET BIT BRACE

4-B-5331. Best ratchet brace. It has solid steel chucks. Hardened jaws, will hold any size shank, 1/2 - inch steel sweep nickel-plated ball bearing head, polished cocobola head and handle, steel enclosed frame.

Sweep, in inches	8	10
Price	$4.00	$4.10
Sweep, in inches	12	14
Price	$4.20	$4.30

SHIP AUGER BITS

4-B-5449. For boring hardwoods and end boring. Made of double refined steel, finely finished. Have 4 to 6 inch twists.

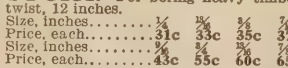
Size, inches	5/16	3/8	11/16
Price, each	30c	36c	45c
Size, inches	3/4	13/16	7/8	15/16
Price, each	48c	50c	55c	57c

CAR BITS

4-B-5451. For boring heavy timbers. Length of twist, 12 inches.

Size, inches	1/4	13/32	3/8	7/16	1/2
Price, each	31c	33c	35c	37c	39c
Size, inches	9/16	3/4	13/16	7/8	15/16	1
Price, each	43c	55c	60c	65c	70c	75c

COUNTERSHANK GAUGE BIT



4-B 5533 To regulate depth of cut. For wood, only. High grade tool steel. Fully warranted. Price..... **32c**

GOODELL'S RATCHET SCREW DRIVER

4-C-5557 Blades, dogs and spring made of a high grade tool steel. The ratchet teeth are deeply cut. Changes from right to left are made by simply turning the knurled ferrule. Length, blade,

Inches	4	5	6	8	10
Price, each	90c	97c	$1.00	$1.10	$1.25

PRATT'S RATCHET DRILL

4-B-5341 Used as an auger handle in horizontal position. For use in close places. One handle can be removed and placed at right angles. Can also be used as a ratchet drill. Price, each..... **$3.25**

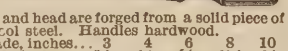
Drill attachment for Goodell's Interchangeable Screwdrivers.

4-B-5553. Fitting Automatic Screwdriver, No. 4-B-5549. Price, for chuck and eight drill points..... **85c**

4-B-5555. Fitting Reversible Screwdriver, No. 4-B-5551. Price, for chuck and eight drill points..... **85c**

INDESTRUCTIBLE SQUARE SHANK SCREW-DRIVER

4-B-5543 Squareshank for use with wrench.



Blade, shank and head are forged from a solid piece of high grade tool steel. Handles hardwood.

Length of blade, inches	3	4	6	8	10
Size, sq. shank, inches	7/32	1/4	5/16	11/32	3/8
Price, each	21c	27c	37c	49c	61c

SQUARE REAMER BITS

4-B-5537. Cast steel, properly tempered and ground. Price..... **22c**

GOODELL'S AUTOMATIC INTERCHANGEABLE SCREWDRIVER

4-B-5549. Can be used as a spiral ratchet or plain screwdriver. Furnished with three forged steel bits. Hardwood handle. Length extended 14 inches. Length, closed 7 1/2 inches. Price..... **$1.60**

GOODELL'S REVERSIBLE INTERCHANGEABLE SCREWDRIVER

4-C-5551 With two distinct spirals. Hardwood handle, furnished with three forged steel bits; length extended, 16 1/2 inches; length closed, 9 inches. Price..... **$2.25**

Jennings' Extension Lip Bits

4-B-5433. Jennings' Solid Center Extension Lip Auger Bits. Solid Center Auger Bits. Hand forged from double refined crucible steel, full length of twist.

Size, inches	1/4	15/64	3/8	7/16	1/2	9/16
Price, each	47c	49c	50c	52c	55c	57
Size, inches	5/8	11/16	3/4	13/16	7/8	15/16	1
Price, each	60c	67c	70c	78c	80c	89c	90c

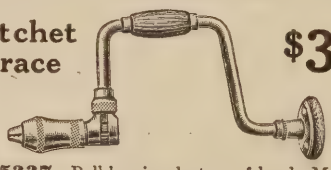
4-B-5425. Best Jennings' Pattern Extension Lip Auger Bit. Properly tempered, full length of twist. Lips are carefully forged and sharpened.

Size, inches	1/4	5/16	3/8	7/16	1/2	9/16	5/8
Price, each	39c	40c	41c	42c	45c	47c	50c
Size, inches	11/16	3/4	13/16	7/8	15/16	1
Price, each	55c	57c	64c	65c	72c	75c

4-B-5441. For rapid and easy boring in the toughest hardwoods. Tempered and finished in the finest manner

Size, inches	1/4	5/16	3/8	7/16	1/2	9/16
Price, each	49c	51c	52c	54c	56c	59c
Size, inches	5/8	11/16	3/4	13/16	7/8	15/16	1
Price, each	62c	69c	72c	80c	82c	91c	92c

Ratchet Brace

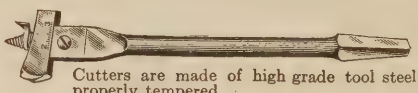


$3.75

4-B-5337. Ball bearing dust-proof head. Machine made thruout. Cold drawn steel sweep. All metal parts highly polished and heavily nickel plated and nicely finished throughout. Cocobola head and handle with improved metal capped head. Forged alligator spring jaws. Will take square or round shank drills.

Sweep, inches	8	10	12
Price	$3.75	$3.80	$3.95

Clark's Expansion Bits

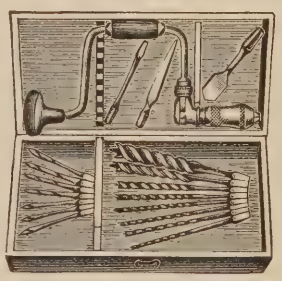


Cutters are made of high grade tool steel properly tempered.

4-B-5509. Small size Clark's Pattern Expansion Bit. With two cutters, one boring from 1/2 to 7/8 in., the other from 7/8 to 1 1/2 in. Price... **$1.35**

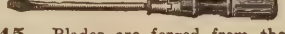
4-B-5511. Large size Clark's pattern Expansion Bit. With two cutters, one boring from 7/8 to 1 3/4 in., the other from 1 3/4 to 3 ins. Price.. **$1.95**

Brace and Bit Set



4-B-5343. A first class outfit that will answer all general requirements for form, shop and mechanics' use, consisting of one 10 inch nickel-plated ratchet brace with alligator jaws; 8 Jennings' pattern extension lip auger bits, sizes 1/4 to 1 inch; 3 bit stock drills, 3 German pattern gimlet-bits; 1 screw driver bit; 1 countersink and 1 square reamer. Put up in a neat hardwood box. Price, per set..... **$9.95**

Champion Screw Driver

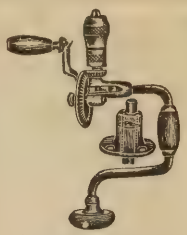


4-B-5545. Blades are forged from the highest grade steel, properly tempered and fastened securely in handle. Selected hardwood handle, cherry finish.

Length of blade, inches	3	4	5	6	8	10
Price, each	27c	28c	30c	35c	45c	56c

4-B-5329. Ratchet brace. Metal clad head, cold drawn steel sweep. Ebonized hardwood head and handle. nickel plated.

Sweep	Price
10 inches	$2.85
12 inches	2.95



RATCHET BRACE AND DRILL

4-B-5315. Ball bearing head and forged steel jaws. Will hold straight, round shank drills. By removing the hand drill attachment you have a fine ball bearing ratchet brace, 10 in. sweep. Nickel plated. Price..... **$6.25**

COMMON AUGER BITS

4-B-5401. Spur Standard.

Size, inches	1/4	5/16	3/8	7/16
Price, each	27c	28c	29c	30c
Size, inches	1/2	9/16	5/8	11/16
Price, each	31c	36c	37c	38c
Size, inches	3/4	13/16	7/8	15/16	1
Price, each	40c	44c	45c	50c	53c

COUNTERSHANK & DOWEL POINTER

4-B-5523 Reversible head. Can be used for sharpening pins or dowels. Cutter made of high grade tool steel.

Price, each..... **15c**

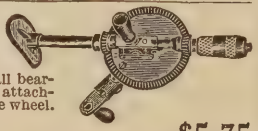
4-B-5541 The only screwdriver that can be used as a hammer, to force point of screw into the wood. The blade, bolster handle, flattened hammer hand are drop forged from one piece of steel.

Length of blade, inches	4	6	8	10
Price, each	29c	40c	54c	68c

Hand Drill

4-C-5557. Strong Malleable frame. Steel spindle, cut gears and hollow cut cocobola handle containing 8 drill points, 7/8 to 11/64 inch. A strong, durable tool, nicely finished. Length, 10 1/2 inches. Price, including 8 drill bits..... **$2.85**

Breast Drill



4-B-5333. Ball bearing with level attachment. 6 inch drive wheel. Drills from 1/8 to 1/2 inch. Price..... **$5.75**

Ball Bearing Breast Drill

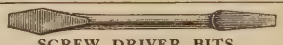
4-B-5317. Malleable frame changeable gear from even to speeded about 3 to 1 with level attachments. Drill bits up to 3 inches. Price.. **$4.50**

Plane Irons

Made of high grade steel. All double irons have steel caps.

4-B-5301. All iron and wood bottom planes.

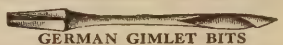
Single Irons. Width, in inches	2	2 1/16	2 3/8	2 5/8
Price	25c	27c	32c	35c



SCREW DRIVER BITS

4-B-5525. High grade tempered crucible steel.

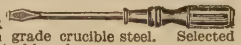
Size	Sm.	Med.	Lge.	Ex.
Price	17c	18c	19c	20c



GERMAN GIMLET BITS

4-B-5559. Special high grade steel, properly tempered. Size, 2-32; 3-32; 4-32; 5-32; 6-32; 7-32; 8-32; 10-32; State size. Any size, each. **14c**

CHAMPION SCREW DRIVER



4-B-5547. High grade crucible steel. Selected hardwood handles, steel ferrules.

Length blade, inches	10	12
Price, each	20c	49c

Carpenters' Squares

4-C-5703. No. 100C. Copper finished steel square, heavily copper plated, practically rust-proof; hardened steel corners, figures and graduations are white enamel and stand out clear and distinct. Size of body, 24x2 inches, size of tongue, 16x1½ inches, face marked 1-16, ⅛ and ¼ inch spaces back marked 1-100, 1-32, 1-2, 1-10 and 1-4 inch spaces. Has Essex board measure, eight square and brace measure, fully warranted. Price **$2.35**

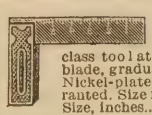
Nicholls Take-Down Square

Nicholls take-down square. What every mechanic has long desired. Occupies space 4x24 inches and is absolutely accurate and thoroughly practical. Tongue and groove is accurately milled to fit tight and make a perfectly true joint. Has no bolts or screws to become loose or lost. The spring takes up any wear. Long bearings in grooves combined with the square shoulders insure an accurate fit. Size of body, 24x2 inches. Size of tongue, 16x1½ inches. Face marked 1-16 and 1-4 inch spaces; back marked 1-12 and 1-4 inch spaces. Has Essex board measure and brace measure. Figures and graduations are deep and plainly marked. Fully warranted.

4-B-5725. Blued finish with canvas case. Price **$3.90**

4-B-5727. Polished finish with canvas case. Price **$3.50**

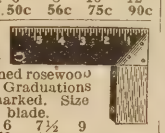
METAL TRY SQUARES



4-B-5743. A first class tool at a moderate price. Steel blade, graduations accurately marked. Nickel-plated iron handles, fully warranted. Size represents length of blade.

Size, inches	6	8	10	12
Price, each	50c	56c	75c	90c

COMBINED TRY AND MITER SQUARE



4-B-5741. Brass lined rosewood handle, steel blade. Graduations plainly and accurately marked. Size represents length of blade.

Size, inches	4½	6	7½	9
Price, each	32c	52c	69c	75c

PLUMB AND LEVEL

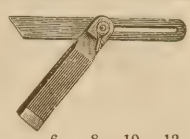
4-C-5715. Brass arch top plate, two side views, proved glasses. Fully warranted. Lengths, 26, 28 and 30 inches. State length wanted. Price **$1.05**

LEVEL SIGHTS

4-B-5757. Can be readily attached to any wood level. With which the user has accurate means of leveling from one given point to another at a long distance. Price, per pair **85c**

4-B-5758. Level sights for iron levels. Price, per pair **75c**

SLIDING "T" BEVELS



4-C-5745. Brass tipped, solid rosewood handle. For right or left hand use.

Length, inches	6	8	10	12
Price, each	30c	45c	48c	55c

POCKET LEVEL

4-B-5737. Can be readily attached to steel square or straight edge. Iron body, brass top plate, proved glasses. Warranted true. Price **15c**

EXTENSION SIGHT AND PLUMB LEVEL

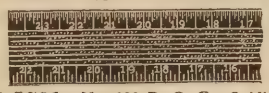
4-B-5731. When not in use the sights are depressed flush with the surface of the level and raised into position by merely pressing the button. Heavy brass ends. Length, 28 inches. Price **$3.10**

STEEL MEASURING TAPE

4-C-5835. Will not stretch. Hard leather case, securely stitched. Handle folds flush with case. Marked in feet, inches and 8ths of inches.

Length, feet	50	100
Price, each	$5.00	$8.50

Oxidized Copper Finish Squares



4-B-5701. No. 100 R. O. C. Oxidized copper finished square. The graduations and figures are white enamel. Rust-resisting finish. Has hardened corners. Body, 24x2 inches, size of tongue, 16x1½ inch. 1-16 1-8 and 1-4 spaces, on back, 1-32, 1-12 and 1-10 spaces. Has brace measure, eight square, 1-100 scale and rafter table. Price **$2.75**

3 Foot 4 Folds

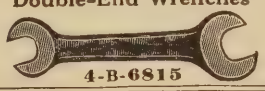
4-B-5815. Arched joints, middle plates. Spaced 8ths and 16ths **50c**

Zig Zag Folding Rules

4-C-5821. Spring joints, Yellow finish, metal tips.

Length, feet	3	4	5	6
Price	20c	27c	33c	45c

Double-End Wrenches



4-B-6815

Size No.	Size bolts of U. S. Stand. Nut	Extreme Length	Price, Each
23	⅜ to ¼	4	$0.13
25	¼ to 5/16	4⅞	.16
26	¼ to ⅜	5⅛	.20
27	5/16 to ⅜	5⅞	.21
29	⅜ to 7/16	6⅞	.24
30	⅜ to ½	7¾	.28
31	⅜ to ½	7¾	.29
34	½ to 9/16	9¾	.43
37	⅝ to ¾	11⅝	.62
38	⅝ to ⅞	13½	.95
39	¾ to ⅞	13½	.97
40	¾ to 1	15½	1.32
41	⅞ to 1	15½	1.32

"S" Wrenches

Stand. Nut Size Bolt	Size of Opening	Extreme Length	Price, Each
⅜ and ¼	⅜ and ½	6¼	17c
¼ and 5/16	½ and ⅝	7⅛	22c
5/16 and ⅜	⅝ and ¾	8¼	27c
⅜ and 7/16	¾ and ⅞	9¾	36c
7/16 and ½	⅞ and 1	10⅝	47c

4-B-6819. Price, per set of five wrenches **$1.50**

TUBULAR RIVETS

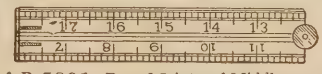
4-B-6151. Put up in one size only, 100 in a package. Price, per box:

5/16 inch	20c	½ inch	31c
¼ inch	23c	9/16 inch	33c
5/16 inch	25c	⅝ inch	35c
⅜ inch	27c	11/16 inch	39c
7/16 inch	29c	¾ inch	39c

SIX-INCH TWO-FOLD CALIPER RULE

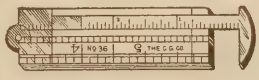
4-B-5819. Square joint. Spaced 8ths, 10ths, 12ths and 16ths. Width, ⅞ inch. Price **29c**

Two-Foot Four-Fold Boxwood Rules



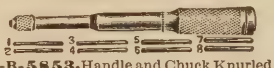
4-B-5801. Round Joint and Middle Plates. Spaced 8ths and 16ths. Price .. **18c**

One-Foot Four-Fold Rule



4-B-5817. Caliper Rule. Has arch joint, full brass bound. Spaced 8ths, 10ths, 12ths and 16ths. Price **60c**

Goodell's Hand Drill



4-B-5853. Handle and Chuck Knurled. Nickel plated. Drill points in separate hollow handle. Drill points cannot be pulled out. Price, includes 8 drill points, 1-16 to 11-64th inch. Length, 10½ inches. Price **$1.95**

Bench Screw

4-C-5847. Lathe cut threads, movable collars, hardwood handles.

Diam., ins.	1	1⅛	1¼	1½
Lgth., ins.	16	16	17	19
Price, each	80c	95c	$1.00	$1.50

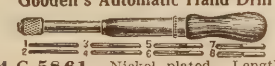
4-B-5869. Cabinet Makers' Clamp Attachment. Will fit wood bar 1⅜x2½ inches. Fitted with ⅝ inch screw and crank handle. Price, without bar, each **$1.05**

Eccentric Clamps

4-C-5859. Heavy steel bar.

Inches	12	18	24	36	48
Price	$1.26	$1.58	$1.80	$2.25	$2.70

Goodell's Automatic Hand Drill



4-C-5861. Nickel plated. Length, 10 inches, drill points from ⅛ to 13/16 inch. Price **$1.60**

4-B-5867. Has heavy "T" shaped steel bar. Size, 1½ by 5/16 inches.

Opens, feet	2½	3	4	5
Price, pair	$3.90	$4.00	$4.40	$5.00

DROP FORGED PLIERS
4-B-6137. Perfection side cutting pliers. Raised cutting edges. Price, per pair, 6 ins. **80c**

GAS PLIERS
4-B-6113. Best grade drop forged gas pliers. Carefully tempered and fitted with polished jaws. Price, per pair:
7 inches **25c**
8 inches **30c**

4-B-6119
Utility Wire Cutting Pliers, made of good quality steel, and nicely polished. Price:
5½ inches, **12c**

4-B-6129
Flat Nose Pliers, forged from crucible steel, nicely finished.
4 inches .. **8c**
5 inches .. **10c**

4-B-6111
A standard Button Plier, drop forged. Has two cutters
6 inches. **54c**
8 inches. **68c**
10 inches **88c**

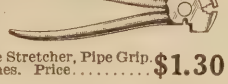
4-B-6103
Combination Fencing Pliers, combines all tools hammer, staple, puller, wire pliers
Price:
10 inches **$1.25**

4-B-6109
Combination Pliers, wire cutter, screw driver and wrench. Nickel plated.
6½ inches **25c**

Nail Puller

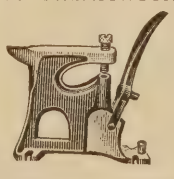
4-B-6125. This nail puller has forged tempered steel jaws, hardened and oil tempered. A splendid tool. Gets the nails out so that they can be used again. Price, each **90c**

8 Tools in 1



4-C-6101. 8 tools in 1. Staple Puller, Wire Cutter, Hammer, Pincers, Wrench, Wire Tier, Wire Stretcher, Pipe Grip. Length, 10 inches. Price **$1.30**

COMBINATION PUNCH AND RIVETER

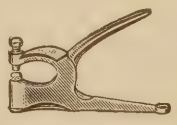


4-B-6141. Punches or rivets on the downward stroke. A good substantial tool, made of the toughest grade iron, tempered steel punches adjustable rivet set for tubular or split rivets, with hand finish or polished handle. Price, Each **$1.05**

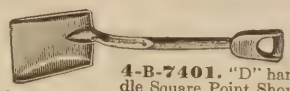
DROP FORGED GRIP WRENCH

4-B-6835. Made of tool steel. Will grip any surface, from ¼ to 1 inch in diameter. Has 3 dies in center. Will rethread bolts sizes, ⅝, ⅜ and ½. Price, each **60c**

HANDY LEVER RIVETER



4-C-6147. For tubular rivets only. The screw is on the lever, pull down the lever, the hole is punched and the rivet is clinched. Both done in one operation. Price, each **50c**



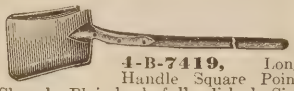
4-B-7401. "D" handle Square Point Shovel. Plain back, full polished. Size, 9¾x12 inches.....**$1.05**

4-B-7405. "D" Handle Square Point Spade. Plain back, full polished. Size, 7½x12 inches.....**$1.05**

4-B-7409. "D" Handle Coal Shovel. Hollow back. Natural Forged Finish.

Size, ins.	13½x14	14¼x14½	14¾x15½
Price...	$1.20	$1.25	$1.30

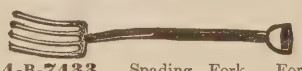
4-B-7413. Ditching or Tiling Spade. Specially adapted for mucky and sticky soil. Fully warranted. Size, 6x18 inches.....**$3.45**



4-B-7419, Long Handle Square Point Shovel. Plain back, full polished. Size 9¾x12 inches.....**$1.05**

4-B-7423. Long Handle Square Point Spade. Plain back, full polished. Size, 7½x12 inches.....**$1.05**

4-B-7427. Steel Snow Shovel. Long Handle. Light, strong and durable. Makes an excellent general purpose shovel. Superior quality. Fully warranted.....**80c**



4-B-7433. Spading Fork. For handling and screening dirt from potatoes, heavy beets and other vegetables. Special crucible steel tines. Plain Ferrules.....**95c**

4-B-7437. Square Point Shovel. Best crucible steel, solid socket, full polished blade, 9¾x12 inches..**$2.50**

4-B-7441. Long Handle, Round Point. Best crucible steel, solid socket full polished blade, 9¾x12 inch.**$2.50**

4-B-7417. Cast iron Post Mauls. Full weight, width 3-foot hickory handles.

Wt., lbs....	10	13	16	18	20
Price.....	60c	78c	96c	$1.08	$1.20

EUREKA POST-HOLE DIGGERS

4-C-7445. Nothing better of its kind made. 9-inch cast steel blade, properly tempered, malleable iron shank, selected split, hardwood handles. Length, 5 ft., weight, about 9 lbs.....**$1.45**

INVINCIBLE POST HOLE DIGGER

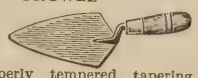
4-C-7447. Blade and shanks are drop forged from one solid piece of steel. Length of blade, 9 inches. Fitted with selected hardwood handles. Length, 5 feet. Weight about 9½ lbs..**$1.40**

EXTRA BROAD LEATHER HANDLE TROWELS

4-C-6221 Hammered from solid bar crucible cast steel, carefully tempered and properly ground. 11-inch size is about 6 inches wide; other sizes in proportion.

Size, inches.....	10	10½	11
Price, each.....	$1.40	$1.47	$1.50

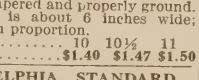
PHILADELPHIA PATTERN TROWEL



4-C-6223 Hammered from solid bar crucible steel, properly tempered tapering from heel to point. Ground smooth. Best trowel of its kind made.

Size, inches.....	10	10½	11
Price, each.....	$1.05	$1.10	$1.15

PHILADELPHIA STANDARD TROWEL



4-B-6219 Made of high grade steel, well finished properly shaped and fully guaranteed.

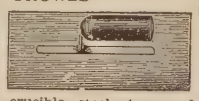
Size, inches.....	10	10½	11
Price, each.....	77c	80c	83c

POINTING TROWEL

4-B-6259 Hammered from a solid bar best quality cast steel. Properly tempered and accurately ground.

Size, inches.....	4	5	6
Price, each.....	32c	34c	37c

CINCINNATI PLASTERING TROWEL



4-B-6261 Guaranteed to suit the most critical workman. Hammered from a solid bar highest crucible steel, tempered tough and hard. Accurately ground

Size, inches.....	10½	11	12
Price, each.....	$1.31	$1.37	$1.47

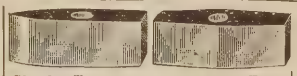
STANDARD PLASTERING TROWEL

4-B-6263 High grade crucible steel. Properly tempered and nicely finished. Fully guaranteed.

Size, inch.....	10	10½	11
Price, each.....	70c	75c	80c

BRICK HAMMER

4-C-6257. Forged from high grade tool steel, tempered and properly balanced. Guaranteed to be strictly first class. Wt., of hammer, 2 lbs. Fitted with 12-inch selected handle. Price.....**$1.20**



Single Face Double Face

SPAULING HAMMERS

Solid cast steel. Polished faces. Handles not included. Either single or double face, same price.

4-B-6213. Single Face.
4-B-6215. Double Face

Wt., 4 lbs.	Each.....	$0.68
Wt., 5 lbs.	Each.....	.70
Wt., 6 lbs.	Each.....	.78
Wt., 7 lbs.	Each.....	.98
Wt., 10 lbs.	Each.....	1.30

BRICK CHISEL

4-B-6255. Solid cast steel. ⅞-inch octagon handle, 4-inch blade. Price.....**70c**

STRIKING OR DRILLING HAMMER

4-B-6217. Solid cast steel. Polished faces. Handles not included.

Wt., 4½ lbs.	Each	$0.63
Wt., 5 lbs.	Each	.58
Wt., 6 lbs.	Each	.69
Wt., 8 lbs.	Each	.92
Wt., 9 lbs.	Each	1.04

STONE SLEDGES

4-B-6251. Solid cast steel. Polished faces. Handles not included.

Weight,	Each
8 lbs.....	$0.92
10 lbs.....	1.15
12 lbs.....	1.38
14 lbs.....	1.61

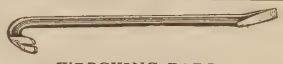
MASONS' HAMMERS

4-B-6253. Finest tool steel, properly tempered. Bronzed finish, polished edge and face. Handle not included.

Wt., 3½ lbs.	Each	$0.78
Wt., 4 lbs.	Each	.90
Wt., 4½ lbs.	Each	1.00

4-B-7453. Iwan's Post-hole Auger. Works easy and more rapidly than any auger made. Lengths, from 4 to 6 feet, depending on diameter of auger.

Size inches	Price each
6.....	$2.10
8.....	2.30
9.....	2.48
10.....	2.80



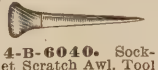
WRECKING BARS

Drop forged, ¾ inch octagon steel, claw on one end and wedge points on other. Length 30 inches, shipping weight, 5 lbs.

4-B-2560. Price, each.....**30c**
4-B-2561. 24x¾ inches. Price.....**25c**
4-B-2562. 12x½ inch. Price.....**12c**

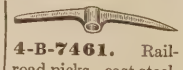
VAUGHN'S POST-HOLE AUGERS

4-B-7455 Solid steel blades which can be replaced if they become broken. Height, 44 ins., wt., about 7 lbs. Size, 6 ins. Price...**75c**

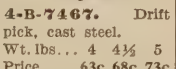


4-B-6040. Socket Scratch Awl. Tool steel, polished beech handle. Price..**12c**

4-C-7463. Cast steel adze, eye, long cutter. Weight, 5 to 6 lbs. Price..**80c**
4-C-7465. Short cutter mattock., wt., 4½ lbs. Price..**78c**



4-B-7461. Railroad picks, cast steel, nicely finished. Weight, 5 to 6 lbs.**67c**



4-B-7467. Drift pick, cast steel.

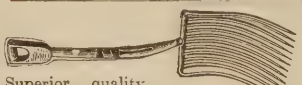
Wt. lbs...	4	4½	5
Price.....	63c	68c	73c

4-B-7403. Round Point Shovel. Full polished. Size, 9¾x12 inches.....**$1.05**

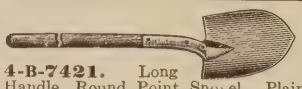
4-B-7407. Western Pattern Grain Scoop. Hollow back. Full polished.

Size No.	Length Ins.	Price Each
6	16½	$1.46
7	17	1.50
8	17½	1.55
9	18	1.60
10	19	1.65

4-B-7411. Drain Spade. Strongly made to stand rough usage. Length, 18 inch. Full polished. Price..**$1.60**

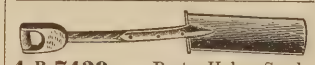


Superior quality. Coke Forks. Oval tines
4-B-7415. 10 tines, 16¾ inch long. 14¼ inches wide. Price.....**$2.20**
4-B-7416. 12 tines, 17½ inches long. 17½ inches wide Price.....**$2.60**



4-B-7421. Long Handle, Round Point Shovel. Plain back, full polished. Size, 9¾x12 inches.....**$1.05**

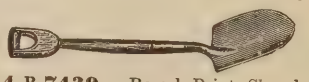
4-B-7425. Furnace Scoop. Hollow back, black finish. Size, 9x14 inches....**80c**



4-B-7429. Post Hole Spade. Strongly constructed. Full polished. Concave blade, 6 inches at point, length, 18 inches. Price.....**$1.60**

4-B-7435. Scoop Fork. Special crucible steel tines.

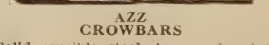
8 tines, 11 in. wide, 14 ins. long	$1.75
10 tines, 14 in. wide, 15 ins. long	2.25
12 tines, 18 ins. wide, 16 ins, long	2.60



4-B-7439. Round Point Shovel. Best crucible steel, solid socket, full polished blade, 9¾x12 inches..**$2.50**

4-B-7443. Square Point Spade. Best crucible steel, solid socket, full polished blade, 7½x12 inches..**$2.50**

AZ



AZZ

CROWBARS

Solid crucible steel, tempered points, properly balanced, full size and strength.

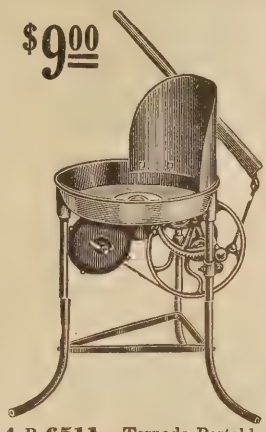
Weight, lbs.....	12	16	20
Price, each.....	85c	$1.14	$1.43

4-B-7457. Pinch Point AZ.
4-B-7459. Wedge Point AZZ.

Blowers—Forges—Blacksmiths' Tools!

TORNADO PORTABLE FORGE

$9.00



While this forge is offered at an extremely low price, it has not been slighted in its construction. Its durability is fully guaranteed.

Construction: The material used is the very best. The legs are made of ¾-inch pipe, which screw firmly into the hearth and are tied together by wrought iron bands to insure rigidity when in action. The lever operates a segment gear on a ratchet, which permits the reverse motion while the drive wheel on the same shaft revolves rapidly. A leather belt connects drive wheel with the blower fan.

Your particular attention is called to the size of the hearth, which is 22 inches in diameter and 3½ inches deep. This is an extremely popular forge, owing to the unusual size of the hearth, and we recommend it for all kinds of repair work.

Dimensions: Height of forge, 30 inches. Diameter of hearth, 22 inches. Depth of fire pan, 3½ inches. Diameter of fan case, 9 inches.

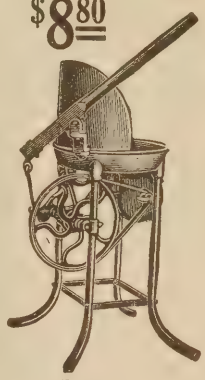
4-B-6511. Tornado Portable Forge. Weight about 110 lbs. Price.....**$9.00**

4-B-6512. Tornado Portable Forge. Same as above with half hood. Price.....**$10.00**

CYCLONE PORTABLE FORGE

$8.80

The best constructed and most durable low priced forge manufactured. For the farm and all light work.



The legs are made of ¾-inch pipe, firmly screwed into the hearth and are tied together with wrought iron bands. The hearth is made of the best grade, heavy cast iron, fitted with an improved Tuyere iron. The lever operates a segment gear on a ratchet, which permits the reverse motion, while the drive wheel on the same shaft revolves rapidly.

A leather Belt connects the drive wheel with the blower fan; the result is a strong, lasting blast produced with very little energy.

We guarantee that this forge will give entire satisfaction.

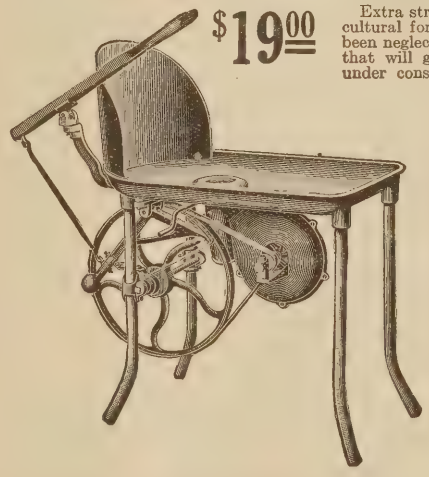
Dimensions: Height of forge, 30 inches. Diameter of hearth, 18 inches. Depth of fire pan, 3½ inches. Diameter of fire case, 8 inches. Weight, about 55 pounds.

4-B-6501. Price with shield, as shown in illustration.....**$8.80**

4-B-6503. The same in every respect as the one described above, except that it is provided with a steel half hood for smoke pipe connection, instead of a shield for outside work, as shown in illustration. Weight, about 60 pounds. Price.....**$10.00**

EXCELSIOR AGRICULTURAL FORGE

$19.00



Extra strong, well braced agricultural forge. No details have been neglected to produce a forge that will give you long service under constant use.

Special designed clutch, positive in action—no lost motion. The blast is strong and will bring the work to a welding heat in less time than any other forge of similar construction.

The lever support is a swivel, which permits lever to follow the motion of the arm.

There are no springs to get out of order. This forge is guaranteed to give you the satisfaction you have a right to expect.

Size of hearth, 23 by 35 inches; size of fan case, 12 in.; height, 30 inches.

4-B-6504. Price with shield, weight 180 lbs.....**$19.00**

4-B-6506. Price with half hood, weight 185 lbs.....**$21.00**

EUREKA BLACKSMITHS, BOILERMAKERS AND RIVET FORGES

$25.20

The Eureka forge is a strictly high grade outfit, designed especially for heavy smithing. There are no belts, ratchets, or clutches. Equipped with ball bearing fan shaft. Designed to produce a hotter fire in less time than any other blower forge on the market. Blast is strong and steady. Gears are perfectly built and enclosed in dust-proof, self-oiling case. Steel bushed bearings; gears and pinions large and heavy; easy running and durable. Furnished with heavy Tuyere iron, 14x11½ inches and 4 inches deep, requiring no claying. Crank turns forward and backward to produce the blast. Hearth is deep with low sides almost to level with the Tuyere for long shafts or forgings when working with a small fire.

Size of hearth, 23x35 inches; size of fan case, 12 inches in diameter; height, 30 inches, with half hood for indoor work, weight, 225 lbs.

4-B-6508. Eureka blacksmiths, boilermakers and rivet forge, complete as described.....**$25.20**

ANVIL TOOLS

Made of highest grade cast steel. Are full weight, properly tempered, well finished and the best that it is possible to manufacture. Your money back on any tools not entirely satisfactory. We guarantee a saving of 30% to 50%.

BOTTOM SWAGES 4-B-6921

Ins.	Wt. Lbs.	Ea.
¼	2	26c
⅜	2	27c
½	2¼	28c
¾	2½	29c
⅞	2½	33c
1	3	35c
1¼	3	36c
1½	3½	42c

TOP SWAGES 4-B-6943

Ins.	Lbs.	Ea.
¼	2	23c
⅜	2	26c
½	2½	27c
¾	3	32c
⅞	3	33c
1	3¼	34c
1¼	3¾	35c
1½	3¾	44c

BOTTOM PULLERS 4-B-6983

Ins.	Wt. Lbs.	Ea.
¼	2	25c
⅜	2	26c
½	2¼	27c
⅝	2¼	28c
¾	2½	35c
⅞	2½	36c
1	3	37c
1⅛	3	39c
1¼	3½	41c

TOP PULLERS 4-B-6981

Ins.	Wt. Lbs.	Ea.
¼	2½	26c
⅜	2½	29c
½	2¾	30c
⅝	2¾	31c
¾	2¾	35c
1	3	41c
1⅛	3	42c
1¼	3½	45c

SQUARE FLATTERS 4-B-6985

Face Ins.	Wt. Lbs.	Ea.
2	2¼	30c
2¼	2½	35c
2¾	3¼	45c
3	4½	50c

STRAIGHT HARDIES 4-B-6923

Shank, Ins.	Wt.	Ea.
½	8 oz.	15c
⅝	12 oz.	18c
¾	1 lb.	43c
⅞	1¼ lb.	50c
1	1½ lb.	56c

TOE HARDIES

4-B-6945. For cutting off heels of shoes. Shank.....⅞ inch, Each.....**$1.06**

HOT CUTTER

4-B-6991. Without handle. Cuts 1⅜ inch, weight, 2¼ lbs.....**80c**

COLD CUTTER

4-B-6989 Cuts 1⅜ in., weight 2½ lbs.....**80c**

SQUARE SET HAMMERS 4-B-6987

Face Ins.	Wt. Lbs.	Ea.
1¼	1¾	74c
1½	2¾	91c
1¾	4¼	$1.12

Blacksmiths' Tools–Blowers and Anvils

$15.50

Six Tools in One

$17.50

Forge
Vise
Anvil
Pipe Vise
Drill Press
Emery Grinder

$23

Blower for all General Work

This blower is made for all ordinary purposes for blacksmiths, wheelwrights, contractors, farmers and for any use where a light, easy running, efficient and durable machine is required at a reasonable price.

Built with direct drive and produces a strong, steady blast. The gears are perfectly cut and are enclosed in dust-proof, self-oiling case. Designed so that the crank may be turned forward or backward to produce the blast.

4-B-6616. 46 inch. Fan case 12 inches in diameter, with Tuyere iron and pipe complete.
Weight, 140 lbs. Price.....**$15.50**

Combination Outfit

This splendid combination Blacksmith Outfit, equipped with Forge, Vise, Anvil, Pipe Vise, Drill Press and Emery Grinder, is strictly a high grade combination tool that is built for service.

The gears are all cut. The forge pan is 12x14 inches, large enough to take a plowshare. This pan is cut away so that a plowshare can be put into it. The Blower-head attached is a real cut-gear, high speed outfit that runs silent and is speeded high enough to produce a white pressure heat so that welding can be done on any work the farmer is able to handle.

Height, overall, 41 inches; height to top of Forge Hearth, 26 inches; width of Vise Jaws, 4 inches; Extreme opening of Vise Jaws, 4½ inches; capacity of Pipe Vise, 3 inches; capacity of Drill Press, ½ inch; greatest distance from Spindle to Table, 11 inches; spindle bored to take, ½ inch; face of Anvil, 3x5¾ inches; size of Handle ⅝ inch; size of Forged Hearth, 12x14 inches; depth of Forge Hearth 2 feet; speeds obtained by gearing, 1 to 1, 1 to 4, 1 to 14; size of Emery Wheels, 6x1 inches; Floor Space, 12x16 inches; Weight, 135 pounds.

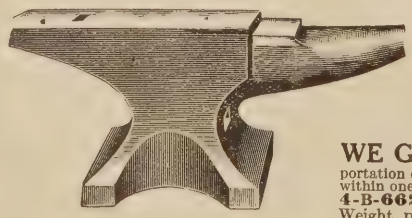
The legs are angle steel, well riveted to the top plate and tool tray, and the two steel rods support the forge pan. Furnished complete with one 6x1 inch emery wheel, and one Hardie, as illustrated. Shipped from Chicago Warehouse.

4-B-974.
Price, complete.....**$17.50**

Blacksmiths' Blower Direct Drive

This splendid blower is built with direct drive. The gears are cut in the most accurate manner and fitted to insure a light, easy running blower at all times. Made with ball bearings—no small gears or pinions. The gearing is enclosed in a dust-proof case and runs in a bath of oil. The crank turns forward or backward to produce the blast. Equipped with heavy Tuyere iron 14x11¼ in. over all and 4 in. deep. A strictly high grade blower suitable for heaviest work. Carries the indorsement of many particular users.

4-B-6600. Height, 46 inches. Fan case, 12 inches in diameter, with heavy Tuyere iron and pipe complete.
Weight, 165 lbs. Price.....**$23.00**



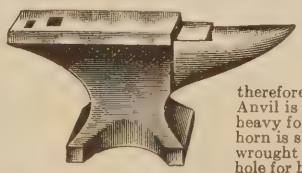
Wrought Iron Anvils

American wrought iron anvils. Top and bottom are each made of one solid piece of the toughest iron. The body is made in two pieces, welded at the waist by improved methods. The face is made of one solid piece of highest grade tool steel, properly tempered and securely welded to the body and is guaranteed not to come loose. The face is planed after the anvil is finished and is therefore smooth. Has wide base, perfectly shaped horn and heel.

WE GUARANTEE Every anvil to give perfect satisfaction. Any anvil that is not satisfactory can be returned to us within thirty days and we will refund the amount paid, including transportation charges. We further guarantee that should any Premier Anvil break at the waist or the steel face become loose within one year from date of purchase, it will be replaced without charge.

4-B-6621. Premier wrought iron anvils.

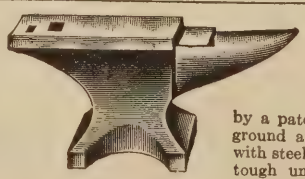
Weight, pounds	200 to 220	170 to 190	120 to 165	80 to 119	70 to 79	60 to 69	50 to 59
Per pound	20c	21c	22c	23c	24c	25c	26c



Cast Iron

4-B-6625. These anvils are made of a superior pig iron. Face accurately machined and chilled, therefore giving a smooth Anvil surface. This Anvil is for light work, and is not suitable for heavy forging. The waist is reinforced and the horn is slightly heavier in proportion than in a wrought iron Anvil. Anvil is fitted with ¾-in. hole for hardy, also a ½-inch hole for punching. In three sizes only.

Weight, pounds	50	70	100
Price, each	$4.20	$5.90	$8.75



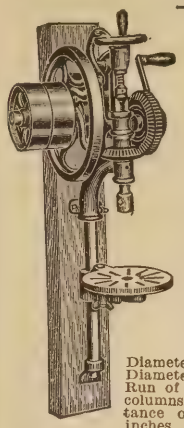
Steel Faced

4-B-6623. The face of this anvil is one solid piece of tool steel, thoroughly welded to body of anvil by a patented process and is then accurately ground and tempered. The horn is covered with steel and its extremity is made entirely of tough untempered steel. The body of the anvil is made of superior pig iron.

Weight, pounds	20	30	40	50	60	70	80	100
Each	$3.00	$4.80	$5.60	$6.40	$6.95	$7.75	$8.55	$10.65

BLACKSMITH TOOLS

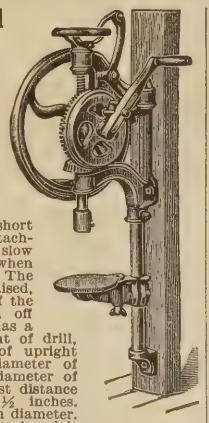
Self Feed Post Drill



$29.00

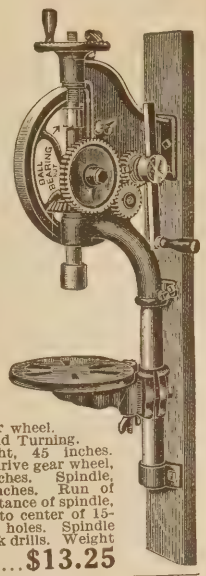
4-B-6705. Strongly constructed and especially adapted for heavy work. For belt and hand power. Fitted with tight and loose pulleys and fly wheel. It is equipped with a special automatic feeding device which is located back of spindle and is worked by a cam on inside of main gear wheel. This cam is constructed so as to give nearly a continuous feed. Made for heavy service. All bearings are extra long and turned out of solid metal. Height of drill, 45 inches. Diameter of table, 11 inches. Diameter of spindle, 1⅛ inches. Run of spindle, 3 inches. Size of columns, 2 inches. Greatest distance of spindle to table, 16½ inches. Spindle turns 1½ times to one turn of crank fast speed, crank turns 1½ times to one turn of spindle on slow speed. Spindle is bored for ½-inch round shank drills. Drills 1¼-inch holes to center of 18-inch circle. Weight, 190 lbs. Price..... **$29.00**

Double Geared Self Feed



4-B-6702. We claim that this is the best drill ever offered at the price and will meet with the requirements of the general shop and blacksmith work. It is constructed in the best possible manner and the material and workmanship cannot be excelled. The crank is adjustable to long or short turn. The self-feed attachment can be set fast or slow speed or thrown out when self feed is not required. The drill table can be raised, lowered or swung out of the way, or can be taken off entirely. The spindle has a run of 3 inches. Height of drill, 35 inches. Diameter of upright column, 1⅜ inches, diameter of drive gear, 8 inches, diameter of table, 6 inches. Greatest distance of spindle to table, 9½ inches. Fly wheel, 14½ inches in diameter. Drill spindle is 1 inch steel and is bored for ½-inch round shank drills. Drills ¾-inch holes to a center of 12-inch circle. Weight, crated, about 80 pounds. Price..... **$9.45**

Ball Bearing Gear Self Feed



4-B-6701. All parts readily detachable. No riveted pins holding spindle to feed screw, no washer bearings and riveted studs for the gears. The main gear revolves on a movable stud, screwed into the frame and having a hexagon head. The intermediate pin also turns on a steel stud.

The Gears are Machine Moulded, cleaned with sand blast.

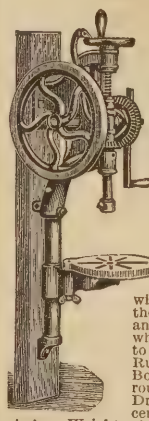
Ball Bearing Feed. The nut connecting the feed screw to the spindle is complete within itself and is ball bearing, thus the friction is greatly minimized. The ball bearings also overcome the necessity of frequent oiling.

Has Adjustable Self Feed. The automatic feeding device gives nearly a continuous feed. The device is located back of the spindle and operated by a cam inside of the main gear wheel.

Two Speeds. No Left Hand Turning.

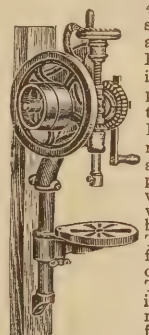
Dimensions: Total height, 45 inches. Diameter of table, 10 inches; drive gear wheel, 6 inches. Fly wheel, 14 inches. Spindle, 1 inch. Column, 1 9-16 inches. Run of spindle, 4 inches. Greatest distance of spindle, to table, 13½ inches. Drills to center of 15-inch circle and up to 1¼ inch holes. Spindle is bored for ½-inch round shank drills. Weight crated, about 100 pounds. Price..... **$13.25**

Double Geared Self Feed



4-B-6707. All bearings are turned out of solid metal to a work fit. The drill has two speeds one for light work —the other for heavy. Table can be raised or lowered, turned to side or removed and the fork used as a wheel holder. The automatic feed device is located back of the spindle. The lower column is properly aligned with the spindle and the drill table is at right angles with the spindle which causes the drill to turn free and easy. Run of spindle, 3 ins. Bored for ½-inch, round shank drills. Drills ¼-inch holes to center of a 15-inch circle. Weight, about 115 lbs. Price..... **$12.50**

Power and Hand Drill



4-B-6715. The same construction as our 4-B-6707 Premier ball bearing geared self-feed post drill, with intermediate gear. First class equipment for shops that are provided with power. It is fitted with crank and fly wheel for operation by hand or power. The easiest running, fastest cutting post drill ever offered. The automatic feeding device gives nearly a continuous feed so that the drill does not jamb the work. Saves drill bits. The speed can be increased or dimished by simply turning thumb screw. Drill is extra heavy construction throughout and will do equally as good work as many drills that are sold for considerably more. Run of spindle, 3 inches. Diameter of spindle, 1 inch. Bored for ½-inch, round shank drills and drills to 1¼-inch holes to a center of 15-inch circle. Weight, crated, 125 lbs. Price... **$16.25**

Straight Shank Twist Drill

High Grade Straight Shank Drills. Made for machinists' use, from finest tool steel used in the manufacture of drills. Each drill ground to gauge, finely tempered and guaranteed to drill more holes than any other twist drill made. To be used in connection with drill chuck for round shank drills. They cannot be used in a common bit brace. Shanks for these drills are the same diameter as the drill.

4-B-6805. Straight shank twist drills.

Diameter.....	1-16	5-64	3-32	7-64	1-8	9-64	5-32	11-64	3-16	13-64
Length, inches.	2½	2⅝	2¾	2⅞	3	3⅛	3¼	3⅜	3½	3⅝
Each.....	07c	08c	08c	08c	09c	09c	09c	09c	10c	11c
Diameter.....	7-32	15-64	1-4	17-64	9-32	19-64	5-16	21-64	11-32	23-64
Length, inches..	3¾	3⅞	4	4⅛	4¼	4⅜	4½	4⅝	4⅝	4⅞
Each.....	12c	13c	15c	16c	17c	18c	19c	20c	22c	24c
Diameter.....		3-8	25-64	13-32	27-64	7-16	29-64	15-32	31-54	1-2
Length, inches..		5	5⅛	5¼	5⅜	5½	5⅝	5¾	5⅞	6
Each.....		27c	28c	30c	34c	37c	40c	44c	49c	53c

Round Shank Drill Bits

WITH HALF INCH ROUND SHANKS. For Use in Connection with Post Drills

4-B-6801. Half-inch Round Shank Drills made of the very best grade of Steel, accurately and carefully tempered and will drill more holes than any other blacksmith drill on the market. Each one is absolutely true to gauge and fully guaranteed in every particular.

Size.....	⅛	5-32	3/16	7-32	¼	9-32	5/16	11-32	⅜	13-32	7/16	15-32	½	17-32
Price.....	24c	25c	26c	29c	32c	34c	37c	39c	42c	45	47c	50c	53c	55c
Size.....	9/16	19-32	⅝	21-32	11/16	23-32	¾	25-32						
Price.....	58c	63c	68c	74c	79c	84c	89c	95c						
Size.....	13/16	27-32	⅞	29-32	15/16	31-32	1							
Price.....	$1.00	$1.05	$1.10	$1.16	$1.21	$1.26	$1.31							

Bit Stock Drills

4-B-6807. Can be used in an ordinary bit brace, and will drill hardwood, steel and other metals.

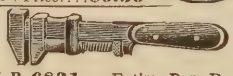
Size..	¼	5-32	3/16	7-32	¼	9-32	5/16	11-32	⅜
Each.	13c	15c	17c	19c	21c	26c	30c	35c	37c
Size	13-32	7/16	15-32	½	⅝	¾	⅞	1
Each	40c	45c	50c	55c	77c	$1.03	$1.28	$1.55

Straight Shank Twist Drill Set

4-B-6802. 1/16 to ½ by 64ths. Mounted on metal blocks. Size of drill, also decimal equivalent and tap drill size. Price.... **$9.50**

4-B-6825. Machinists' Pattern. Knife handle. Designed especially for mechanics' use.

Length, inches.....	6	8	10
Price, each.....	90c	$1.10	$1.35
Length, inches.....	12	15	18
Price, each.....	$1.70	$2.30	$2.85



4-B-6831. Entire Bar Drop forged from one piece of Steel. Made with reinforced bar.

Length, ins..	6	8	10	12
Opens, ins...	1⅛	1¼	1⅞	2⅜
Price.....	80c	95c	$1.15	$1.45
Length, ins.....	15	18	21	
Opens, ins.....	2¾	3⅛	4	
Price.....	$1.95	$2.65	$2.95	

4-B-6827. Made for extra heavy forged steel. Bar and head forged from one piece. Deep milled screw thread. Steel knurl opens full. Every wrench fully warranted.

Length, inches..	6	8	10	12	15
Price, each.....	55c	70c	80c	$1.00	$1.35

Machine Counter Sinks

4-B-6823. Half inch Round Shanks. Will fit any of our post drills.

Size, inches.....	⅝	¾
Each.....	40c	60c

Hand Feed Drills

4-B-6713. For use on farms and in small shops. The crank is adjustable to long or short turn. Drill table can be raised, lowered or swung out of the way. Upright column and feed screw are made of special steel. The bearings are long and heavy, making it the easiest running and most practical and satisfactory small drill on the market. The drill spindle is 1-inch steel and bored for ½-inch round shank drills. Feed has an up and down run of 2¾ inches. Height of drill 36 inches. Diameter of upright column, 1⅜ inches; diameter of gear wheels, 6½ inches. Greatest distance of spindle to table, 9½ inches. Drills ¾-inch holes to a center of a 12-inch circle. Weight, crated, about 52 lbs. Price..... **$7.50**

Horizontal Bench Drill

4-C-6721. Blacksmith and farm use. A strong durable tool, which will give excellent service. Drill spindle bored for bit stock drill No. 4-B-6807. Weight, 29 pounds.

Price..... **$2.95**

Adjustable "S" Wrench

4-B-6833. High grade tool. Steel jaws, malleable iron frame.

Length, ins...	6	8	10	12	14
Opens, ins....	¾	1	1⅜	1½	2
Each.....	65c	80c	95c	$1.45	$1.90

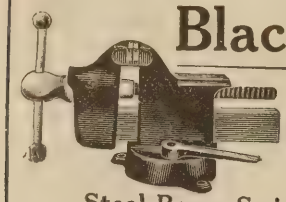
Post Drill Chucks

Made with half-inch straight shank and will fit any of our post drills. Straight shank, twist drills are used in connection with these chucks.

4-B-6809. Holds drills, ⅜-inch and smaller. Price..... **$1.80**

4-B-6811. Holds drills, ½-inch and smaller. Price..... **$2.40**

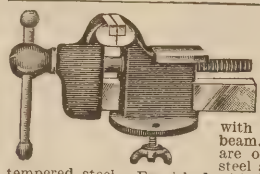
Blacksmiths' and Machinists' Vises!



Steel Beam Swivel Base Vise

4-B-7203. This Vise has a solid steel beam which gives it strength. Being fitted with a swivel bottom, it can be turned rapidly either right or left. This movement is securely fastened with turn of lever.

Width of jaws, ins.	2½	3	3½	4
Opens, inches	3	3½	4	6
Weight, lbs.	12	15	20	32
Price, each	$3.35	$4.05	$5.25	$7.70



Steel Beam Vise

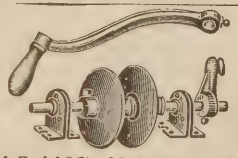
4-B-7205 This vise is of very strong construction and is made with solid steel beam. The handles are of cold rolled steel and the jaws tempered steel. Furnished with bolt and nut and can therefore be used as a swivel as well as a stationary vise.

Width of jaws, inches	2½	3	3½	4
Opens, inches	3	3½	4	6
Weight, lbs.	11	13	19	30
Price, each	$2.80	$3.55	$3.95	$6.15

Bench Clamp

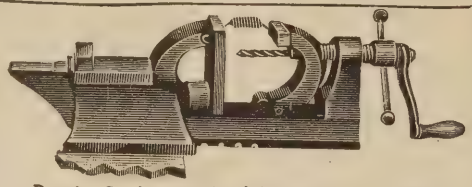
4-B-7215. These small vises are made to clamp to a table or bench. The top of the jaws and face and anvil are ground and polished. The sliding jaw is made with a deep machine cut thread.

Width of jaws, in.	1½	2	
Opens, inches	1½	2	
Price, each	65c	$1.00	



Ball Bearing Grindstone Fixtures

4-B-4407. Made with ball bearing journals. Will support stones from 1½ to 3 inches thick up to 30 inches in diameter.
Price, per set **$1.75**



Premier Combination Anvil, Vise, Drill and Hardie

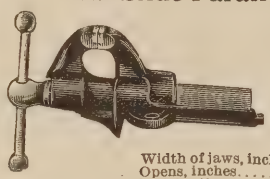
This useful combination of tools is designed to meet all requirements for farmers, mechanics, mills, mines; in fact, it is useful in every home. It consists of a vise, drill, anvil and hardie. Jaws of the vise open 6 inches. Width, 3½ inches, and are faced with steel. Drills holes up to ½ inch. ½-inch round shank drills are used in connection with this tool.
Weight, about 50 pounds.
4-B-7221. Price complete, without drill bits **$3.75**

Combination Vise Anvil and Pipe Vise

$2.25

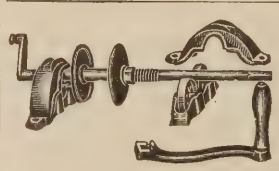
4-B-7229. This Vise is intended only for light work and is the best finished vise of its type on the market. Made of cast iron with chilled face. Width of jaws, 3 inches; opens 5 inches. Weight, 26 pounds.
Price **$2.25**

Oval Slide Parallel Bench Vise



4-B-7227. The strongest and best finished oval slide vise manufactured. Has tool steel jaws and wrought screw, accurately cut and fitted. Adapted for any kind of light work.

Width of jaws, inches	2½	3	3½
Opens, inches	3¾	4	4½
Weight, lbs.	8	14	24
Price, each	$2.15	$2.50	$3.15



Ball Bearing Grindstone Fixtures

4-B-4409. Adjustable for stones of different thicknesses. The use of these fixtures will prevent the splitting of grindstone which is often the case when wooden wedges or axles are used. Japanned finish.

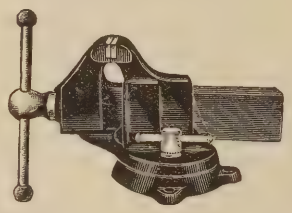
Length, inches	15	17	19	21
For Stone, lbs.	40	60	80	100
Price, each	$0.85	$0.94	$1.00	$1.10

Blacksmiths' Solid Box Vises

4-B-7201. The strongest and best made solid box vise possible to produce. The jaws are each forged from one piece of steel and are faced with crucible tool steel tempered to stand the pressure. The screws are made from heavy steel screw stock threaded on automatic machines, insuring uniformity. The box is fitted with special collars to prevent binding the screw and stripping the thread. Every vise fully guaranteed.

Width of jaws, inches	3¾	4	4¼
Weight, lbs.	35	40	45
Price, each	$5.65	$5.95	$6.25
Width of jaws, inches	4½	4¾	5¼
Weight, lbs.	50	60	70
Price, each	$6.50	$7.40	$8.50
Width of jaws, inches	5¾	6	6¼
Weight, lbs.	80	90	100
Price, each	$9.95	$11.35	$11.45

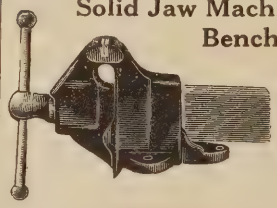
Swivel Vise



4-B-7225. This vise can be turned in any position on an axis parallel with the floor and is locked by a clamping bolt.

Width of jaws, ins.	3	3½	4	4½
Opens, inches	4	5	6	6½
Weight, lbs.	28	38	54	65
Price, each	$12.25	$14.00	$16.80	$19.60
Width of jaws, ins.	5	5½	6	7
Opens, inches	7½	8½	10	12
Weight, lbs.	90	120	136	240
Price, each	$21.85	$27.50	$37.50	$46.85

Solid Jaw Machinists' Bench Vises



4-B-7223. The metal used is an alloy mixture, very tough, making the strongest vise possible to manufacture. Reinforced where the strain is heaviest. Screws and handles are cold rolled steel. Jaws are heavy tool steel carefully tempered. Every vise is fully guaranteed. Stationary bottom.

Width of jaws, inches.	3	3½	4
Opens, inches	4½	5	6
Weight, lbs.	24	28	42
Price, each	$10.50	$11.20	$13.30
Width of jaws, inches	4½		5
Opens, inches	6½		7½
Weight, lbs.	55		72
Price, each	$15.40		$19.60

Grindstone

$6.00

4-B-4401. Frame is constructed from angle steel extra well braced. Ball bearings on journals and cranks. Axles are made of steel. Stone is the best selected Berea grit, 20 to 22 inches in diameter, 2 to 2½ inches thick, and weigh on an average of 60 pounds. Weight, about 85 pounds.
Price, each **$6.00**

Hammer and Axe Handles

Hand Shaved Octagon Hickory Axe Handles

4-B-6201. Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.
Each **57c**

Hand Shaved Oval Hickory Axe Handles

4-B-6203. Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.
Each **54c**

TURNED HICKORY SINGLE BIT AXE HANDLES
4-B-6205. First Grade. Length, 36 inches. Each **29c**

BROAD AXE HANDLES
4-B-6207. First Grade only. Reversible for right or left hand. Length, 34 inches. Each **34c**

HAMMER HANDLES
4-B-6233. First Grade only. Length, 14 inches. Each **7c**

HATCHET HANDLES
4-B-6235. First Grade only. Length, 14 inches. Each **7c**

BROAD HATCHET HANDLES
4-B-6241. First Grade only.

Length, inches	16	17	18
Each	9c	10c	11c

RIVETING HAMMER HANDLE
4-B-6243. First Grade only. Length, 14 inches. Each **7c**

POST MAUL HANDLES
4-B-6245. First Grade only. Length, 36 inches. Each **20c**

DOUBLE BIT HICKORY AXE HANDLES
4-B-6209. First Grade only. Length, 36 inches. Each **29c**

PICK OR MATTOCK HANDLES
4-B-6211. First Grade only. Length, 36 inches. Each **34c**

SLEDGE HANDLES
4-B-6237. First Grade only. Length, 34 inches. Each **22c**

MACHINISTS' HAMMER HANDLES
4-B-6239. First Grade only. Length, 16 inches. Each **7c**

BLACKSMITHS' HAMMER HANDLES
4-B-6247. First Grade only. Length, 16 inches. Each **7c**

ADZE HANDLES
4-B-6249. First Grade only. Length, 34 inches. Each **25c**

Household Grindstone

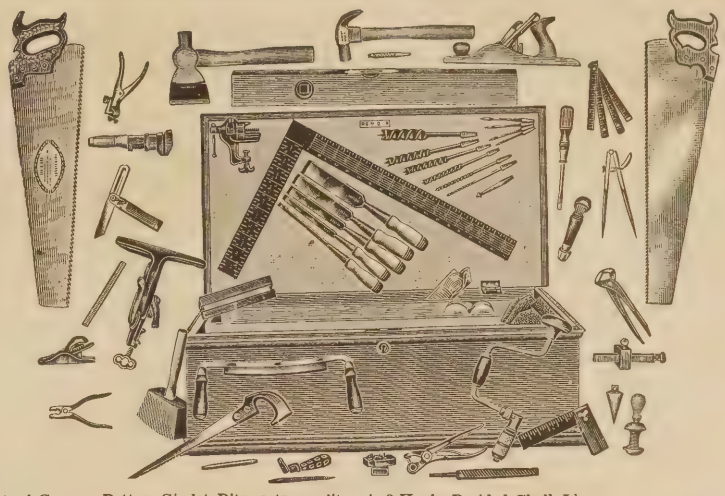
Fitted with convenient adjustable tool rests, nicely finished in black enamel.

4-B-4401. 4-in. case, wheel size, 4x¾x1 inch. Price **$1.55**
4-B-4406. 5-in. case, wheel size, 5x1x1 inch. Price **$2.40**
4-B-4408. 6-in. case, wheel size, 6x1x1 inch. Price **$3.00**
7-B-4410. 7-in. case, wheel size, 7x1x1 inch. Price **$3.95**

TOOL SETS

Each item represents the very best of its respective kind. Every tool is selected from our regular stock and is fully guaranteed and adapted to the use of the skilled mechanic. The Tool Chest is of Hardwood and is strongly made and nicely finished, fitted with sliding tray, handles and a secure lock.

1 Premier Extra High Grade Hand Saw, length, 26 inches.
1 Favorite Rip Saw, length, 26 inches.
1 Compass Saw, 12-inch, spring steel blade.
1 Iron Block Plane, length, 5½ inches.
1 Adjustable Iron Jack Plane, length, 15 inches.
1 Morrell Pattern Saw Set.
1 Japanned Iron Saw Vise, length of jaws, 9½ inches.
1 Slim Taper File, length, 5 inches.
1 Flat Mill File, length, 8 inches.
1 Malleable Iron File and Tool Holder.
1 Carpenters' Steel Square, No. 7, with Essex board measure. Length of body, 24 inches; 16-inch tongue. Both sides marked in 8ths; 4ths and 1 inch.
1 Oil Stone, length, 8 inches, mounted in hardwood case.
1 Pair Carpenters' Pincers, length, 8 inches. Claw on one handle, screwdriver on other.
1 Knurled Nail Set, tempered at both ends.
1 Spring Tube Punch for punching holes in leather.
1 Marking Gauge.
1 Wing Divider, polished steel, length, 8 inches.
1 Tri-Square.
1 Adjustable Plumb and Level, polished cherry finish, arched top plates, two brass-tipped side views, length, 28 inches.
1 Zig Zag Folding Rule, length, 5 feet.
1 Carpenters' Pencil.
1 Sliding T bevel, rosewood handle, brass tipped, 8-inch blade.
5 Premier Socket Firmer Chisels. Leather tipped handles, one each size, ¼, ½, ¾, 1 and 1½ inches.
1 Ratchet Brace, nickel plated, polished hardwood head and handle. 10-inch sweep.
1 Hollow Handle Tool Set, polished cocobola handle, with 10 hand forged finely tempered tools.
1 Premier Drawing Knife, length of cut, 10 inches.
1 Monkey Wrench, length, 8 inches.
1 Cold Chisel, perfectly tempered, ½-inch cut.
6 Jenning's Pattern Auger Bits, high grade. One each size, ¼, ⅜, ½, ⅝, ¾ and 1 inch.
1 Combination Side Cutting Plier, length, 6 inches. End of one handle can be used as screwdriver; the other is pointed and can be used as a reamer.



4 German Pattern Gimlet Bits, extra-quality. One each size, 1-16, ⅛, 5-32 and 3-16.
1 Combination Anvil and Vise, 1½-inch jaws.
1 Premier Shingling Hatchet, 3⅞-inch cut.
1 Forged Steel Nail Hammer, size No. 1½.
1 Chalk Line Reel and Awl.
1 Plumb Bob, nickel plated.
3 Hanks Braided Chalk Line.
6 Cakes Carpenters' Chalk.
1 Snail Head Counter Sink, for wood.
1 Mallet, hickory head, size 6½x2¾x3¼ inches, with handle.
100 Assorted Tubular Rivets.
12 Sheets Sandpaper, assorted.

4-B-4603. Triumph Tool Set.
Complete with Chest **$39.95**

EXCELSIOR COMPLETE TOOL SET

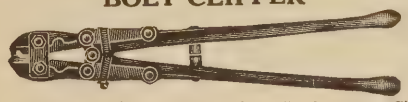
4-B-4701. The Tool Chest is made of Hardwood and is very substantial. It is fitted with a sliding tray and a secure lock, and is sufficiently large to hold other tools that you may wish to add from time to time.

OUR EXCELSIOR TOOL SET CONSISTS OF THE FOLLOWING TOOLS:

1 Chicago Special Hand Saw, 24 inches long.
1 Chicago Special Rip Saw, 26 inches long.
1 Iron Block Plane, length, 5½ inches.
1 Adjustable Wood Bottom Jack Plane, length, 15 ins.
1 Ratchet Brace, 10-inch sweep, nickel plated.
1 2-Foot Four-Fold Rule.
1 Sliding T Bevel, Rosewood handle, brass-tipped, 8-inch blade.
3 German Pattern Gimlet Bits, one each size, 1-16, ⅛ and 3-16 inch.
1 Oil Stone, length, 6 inches, mounted in hardwood case.
4 Extension Lip Auger Bits, one each size, ¼, ½, ¾ and 1 inch.
1 High Grade Shingling Hatchet, width of bit, 3⅞ inches.
1 Premier Drawing Knife, length of cut, 10 inches.
1 Screw Driver Bit.
1 Carpenters' Steel Square, No. 7, with Essex board measure; 24-inch body, 16-inch tongue. Marked on both sides.
1 Pair Combination Pliers, nickel plated, length, 5 ins.
1 Monkey Wrench, length, 10 inches.
1 Slim Taper File, length, 5 inches.
1 Mill File, length, 8 inches.
1 Iron File and Tool Holder.
1 Wrought Steel Nail Hammer.
1 Oval Head Marking Gauge.
3 Socket Firmer Chisels, leather-tipped handles, one each size, ¼, ½ and 1 inch.
1 Knurled Nail Set.
1 Champion Pattern Screw Driver, 4-inch steel blade.
1 Plumb and Level, polished cherry, length, 28 inches.
1 Carpenters' Pencil.
1 Rose Head Countersink Bit.
1 Snail Head Countersink Bit.
1 Square Reamer Bit.

Complete with Chest..... **$25.95**

BOLT CLIPPER



4-B-7027. For cutting bolts, rods, etc. Jaws properly tempered and can be adjusted to take up the wear of the joints and cutting edges. Rubber bumpers between handles.

Size No.	For Cutting Bolts	Each
0	Up to 5/16 inch	**$3.00**
1	Up to ⅜ inch	**3.80**
2	Up to ½ inch	**$5.60**
3	Up to ⅝ inch	**7.20**

RIVETING HAMMERS

4-B-7013. Polished cast steel. Complete with handles. Handles are not included in weight.

Weight, ounces	7	9	12	18
Each	59c	62c	64c	71c

MACHINISTS' BALL PEIN HAMMERS

4-B-7019. Cast steel, half polished, complete with Handles.

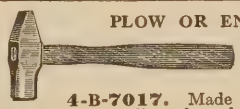
Wt., lbs.	1	1¼	1½	1¾	2
Each	73c	75c	83c	89c	$1.00

HORSESHOERS' TURNING SLEDGES

4-B-7023. Solid cast steel, polished faces. Prices do not include handles.

Wt., lbs.	6	10
Each	$1.02	$1.70

PLOW OR ENGINEERS' HAMMER



4-B-7017. Made of the very best quality of steel, highly polished, complete with handles. Handle not included in weight.

Weight, ounces	18	24	36
Each	70c	82c	87c

BLACKSMITHS' HAND HAMMERS

4-B-7015. We guarantee this hammer to be made of the very best quality steel, polished and complete with handles. Handles not included in weight.

Weight, lbs.	2	2½	3
Price, each	$1.22	$1.30	$1.40

BLACKSMITHS' SLEDGES

4-B-7021. Solid cast steel polished faces, fully guaranteed. Prices do not include handles.

Wt., lbs.	6	8	10	12	14	18
Each	63c	84c	$1.05	$1.26	$1.47	$1.89

"OUR GEM" TOOL SET

"Our Gem" Tool Set consists of the following tools:

1 24-Inch Crucible Steel Hand Saw.
1 Steel Nail Hammer.
1 Bit Brace, 8-inch sweep.
3 Auger Bits, cast steel, double Spur, one each size, ⅜, ½, ¾ inch.
4 Gimlet Bits, double cut, assorted sizes.
1 ¾-inch Leather-tipped Socket Firmer Chisel.
1 4-inch Screw Driver, Champion pattern.
1 7-inch Iron Block Plane.
1 2-foot 4-fold Boxwood Rule.
1 Shingling Hatchet.
1 Combination Anvil and Vise. 1½-inch jaws.
1 8-inch Monkey Wrench.
1 6-inch Steel Tri-Square.
1 4-inch Taper File with Handle.

4-B-4601. "Our Gem" Tool Set.
Complete..... **$7.25**

BLACKSMITHS' STOCKS AND DIES.

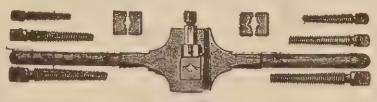
HARDWARE SNAPS!

MACHINE BOLTS

4-B-7335

Cuts all right hand threads except **No. 4-B-7332.**

Catalog Number	Manufacturers No.	Cuts inch	No. of Threads inch to	No. of taps in set	No. of dies in set	Price per set
4-B-7301	55	5/16 to 1/2	18-24-and 32	4	3 sets	**$2.80**
4-B-7303	53	5/16 to 1/2	16-20-24 and 32	4	4 sets	**3.00**
4-B-7305	53 A	5/16 to 1/2	18-20-24 and 32	4	4 sets	**3.10**
4-B-7307	41	1/2 to 1/2	16-20 and 26	6	3 sets	**3.65**
4-B-7309	41 C	1/2 to 3/4	12-14 and 16	6	3 sets	**3.70**
4-B-7311	41 D	1/2 to 3/4	12-16 and 20	6	3 sets	**3.75**
4-B-7313	37	5/8 to 3/4	14-18 and 22	6	3 sets	**4.75**
4-B-7315	37 A	5/8 to 3/4	12-14 and 16	6	3 sets	**4.80**
4-B-7317	37 C	5/8 to 1/4	11-12 and 16	6	3 sets	**4.85**
4-B-7319	34 C	3/4 to 5/8	10-11 and 12	3	3 sets	**5.00**
4-B-7321	34 B	3/4 to 5/8	12-14 and 16	3	3 sets	**5.05**
4-B-7323	34 A	3/4 to 5/8	10-12 and 14	3	3 sets	**5.10**
4-B-7325	32 A	3/4 to 5/8	10-11-12 and 14	4	4 sets	**5.60**
4-B-7327	32 B	3/4 to 1/4	10-12-14 and 16	4	4 sets	**5.65**
4-B-7329	23	1 to 3/8	9-10 and 14	3	3 sets	**5.75**
4-B-7331	23 A	1 to 3/8	8-10 and 12	3	3 sets	**5.75**
4-B-7332	42 A	1/2 to 3/8	Right hand 12 and 18; Left hand 12	6	3 sets	**3.95**



BLACKSMITHS' STOCKS AND DIES.

With Stocks for single die. Cuts right hand threads only.

Catalog Number	Mfrs. No.	Cuts inch	No. of Threads to inch	No. of taps in set	No. of dies in set	Price per set
4-B-7337	51 A	1/2 to 5/8	12-14 and 16	3	3 sets	**$4.45**
4-B-7339	51 B	1/2 to 5/8	12-14-16 and 18	4	4 sets	**5.00**
4-B-7341	60	3/4 to 5/8	10-12-14 and 18	6	4 sets	**7.25**
4-B-7343	27	3/4 to 7/8	10-12 and 16	6	3 sets	**7.30**
4-B-7345	27 B	3/4 to 5/8	10-11-12-14 and 16	5	5 sets	**8.40**
4-B-7347	27 C	3/4 to 1/4	10-11-12-14-16 and18	6	6 sets	**9.50**
4-B-7349	27 D	3/4 to 5/8	10-11-12-14-16-18-20	7	7 sets	**10.65**
4-B-7351	27 A	3/4 to 5/8	10-11 and 12	6	3 sets	**7.35**
4-B-7353	19 B	1 to 1/2	8-9-10 and 11	4	4 sets	**10.00**
4-B-7355	19 C	1 to 7/8	8-9-10-11 and 12	5	5 sets	**11.75**

WOOD SCREWS.

Flat head bright wood screws, cold forged, are stronger, hold better and are inserted easier than other wood screws. Orders for less than a gross will be charged at the dozen price.

4-B-4029 Length 1/4 inch

No.	Gross	Doz.
1	23c	3c
2	23c	3c
3	23c	3c

4-B-4031 Length 3/8 inch

No.	Gross	Doz.
1	23c	3c
2	23c	3c
3	23c	3c
4	23c	3c

4-B-4033 Length 1/2 inch

No.	Gross	Doz.
2	23c	3c
3	23c	3c
4	24c	3c
5	25c	3c
6	26c	3c

4-B-4035 Length 5/8 inch

No.	Gross	Doz.
2	23c	3c
3	23c	3c
4	24c	3c
5	25c	3c
6	27c	3c
7	29c	3c

4-B-4037 Length 3/4 inch

No.	Gross	Doz.
4	25c	4c
5	27c	4c
6	28c	4c
7	29c	4c
8	33c	4c
9	35c	4c
10	36c	4c

4-B-4039 Length 7/8 inch

No.	Gross	Doz.
5	28c	4c
6	29c	4c
7	31c	4c
8	32c	4c
9	34c	4c
10	36c	4c
12	44c	4c

4-B-4041 Length 1 inch

No.	Gross	Doz.
5	29c	4c
6	30c	4c
7	31c	4c
8	34c	4c
9	36c	4c
10	38c	4c
12	43c	4c
14	56c	5c

4-B-4043 Length 1 1/4 inch

No.	Gross	Doz.
7	36c	5c
8	37c	5c
9	40c	5c
10	42c	5c
12	50c	6c
14	61c	6c
16	71c	6c

4-B-4045 Length 1 1/2 inch

No.	Gross	Doz.
8	42c	5c
9	44c	5c
10	45c	5c
12	53c	5c
14	64c	6c
16	91c	10c

4-B-4047 Length 2 inch

No.	Gross	Doz.
10	57c	6c
12	64c	7c
14	79c	8c
16	1.00	12c
18	1.36	14c

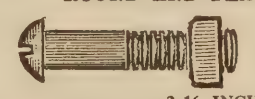
4-B-4049 Length 2 1/2 inch

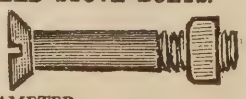
No.	Gross	Doz.
12	75c	9c
14	86c	10c
16	1.18	12c
18	1.52	15c

4-B-4051 Length 3 inch

No.	Gross	Doz.
14	$1.13	12c
16	1.36	14c
18	1.78	16c

ROUND AND FLAT HEAD STOVE BOLTS.





3-16 INCH DIAMETER

Length, inch	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3
Price per 100	27c	27c	27c	29c	29c	32c	35c	37c	39c	42c	48c

1/4 INCH DIAMETER

Length, inch	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3
Price, per 100	38c	38c	38c	40c	42c	45c	48c	50c	52c	58c	64c

5-16 INCH DIAMETER

Length, inch	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3
Price, per 100	56c	58c	60c	62c	66c	69c	74c	80c	86c

1-4 INCH DIAMETER BOLTS

Lenth, in.,	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7
Per 100.,	$1.00	1.00	1.06	1.12	1.18	1.24	1.30	1.56	1.62	1.66	1.73	1.78	1.85

5-16 INCH DIAMETER BOLTS

Lenth, in.,	1 1/4	1 1/4	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7
Per 100,,	$1.20	1.20	1.26	1.34	1.40	1.50	1.66	1.95	2.03	2.11	2.20	2.28	2.37

3-8 INCH DIAMETER BOLTS

Length, inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	$1.44	$1.44	$1.53	$1.62	$1.73	$1.82	$1.92
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$2.27	$2.37	$2.48	$2.57	$2.70	$2.80	$3.00

1-2 INCH DIAMETER BOLTS

Length, inch	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2
Price, per 100	$2.43	$2.60	$2.68	$2.95	$3.12	$3.30	$3.48	$3.65	$3.73
Length, inch	6	6 1/2	7	8	9	10	11	12	
Price, per 100	$4.00	$4.18	$4.35	$4.70	$5.05	$5.40	$5.76	$6.10	

CARRIAGE BOLTS

4-B-7353. These have oval heads, square shoulders, perfect thread with forged nuts. Will sell 50 bolts at one-half 100 price.

1-4 inch diameter. 100 bolts in a package. (Always state size bolt wanted.)

Length inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	68c	68c	75c	81c	88c	95c	$1.02
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$1.08	$1.15	$1.21	$1.29	$1.43	$1.50	$1.65

5-16 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)

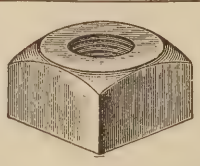
Length, inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	95c	95c	$1.02	$1.10	$1.18	$1.26	$1.35
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$1.43	$1.50	$1.59	$1.67	$1.86	$1.95	$2.10

3-8 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)

Length, inch	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4
Price, per 100	$1.29	$1.29	$1.40	$1.50	$1.60	$1.70	$1.80
Length, inch	4 1/2	5	5 1/2	6	6 1/2	7	8
Price, per 100	$1.92	$2.04	$2.15	$2.25	$2.50	$2.60	$2.85

1-2 Inch Diameter. 50 Bolts in a Package. (Be sure to state length wanted.)

Length, inch	2 1/2	3	3 1/2	4	4 1/2	5
Price, per 100	$2.33	$2.54	$2.70	$2.91	$3.14	$3.30
Length, inch		5 1/2	6	6 1/2	7	8
Price, per 100		$3.53	$3.70	$3.93	$4.11	$4.30



BLANK SQUARE NUTS

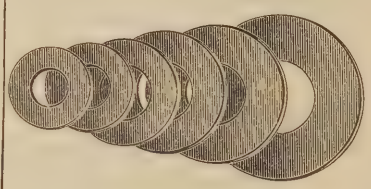
4-B-7361

Bolt, Inches	No. in lbs.	Price Blank per lb.
1/4	74	**17c**
5-16	39	**15c**
3/8	21	**12c**
7-16	13	**12c**
1/2	12	**11c**
9-16	7	**10c**
5/8	6	**10c**
3/4	3	**10c**
7/8	2	**9c**
1	2	**9c**

THREADED SQUARE NUTS

4-B-7363

Bolt, Inches	No. in lbs.	Price, Threaded per lb.
1/4	74	**20c**
5-16	39	**18c**
3/8	21	**14c**
7-16	13	**14c**
1/2	12	**13c**
9-16	7	**13c**
5/8	6	**12c**
3/4	3	**11c**
7/8	2	**10c**
2	1	**10c**



WROUGHT IRON WASHERS

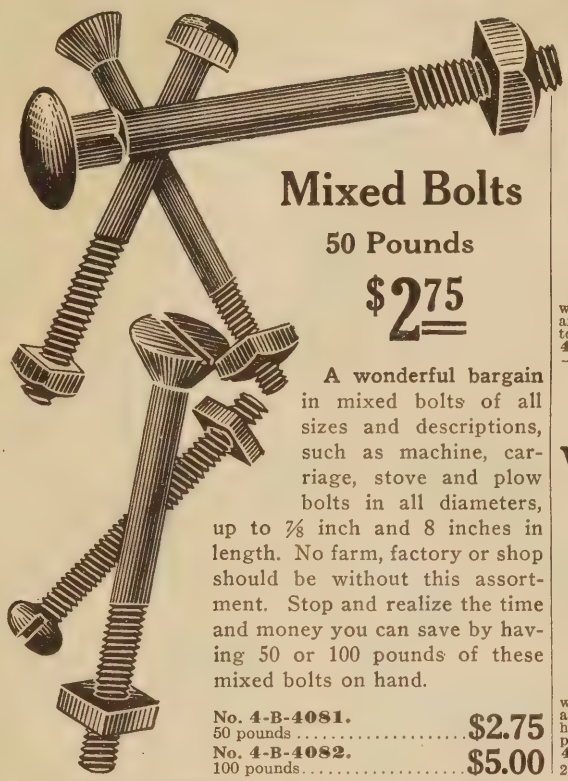
4-B-7359. These washers are made to easily fit the size or bolt given.

Bolt, ins.	No. in lb.	Per lb.
3-16	400	**14c**
1/4	139	**12c**
5-16	113	**11c**
3/8	68	**9c**
1/2	26	**7c**
5/8	13	**7c**
3/4	10	**7c**
7/8	9	**7c**
1	6	**7c**

LAG SCREWS

We can furnish lag screws in all sizes at low prices. Send list of your requirements

These Bargains Offer Big Economy!



Mixed Bolts

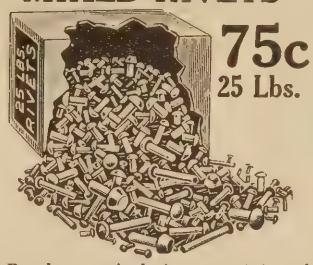
50 Pounds

$2.75

A wonderful bargain in mixed bolts of all sizes and descriptions, such as machine, carriage, stove and plow bolts in all diameters, up to ⅞ inch and 8 inches in length. No farm, factory or shop should be without this assortment. Stop and realize the time and money you can save by having 50 or 100 pounds of these mixed bolts on hand.

No. **4-B-4081.** 50 pounds **$2.75**
No. **4-B-4082.** 100 pounds **$5.00**

MIXED RIVETS

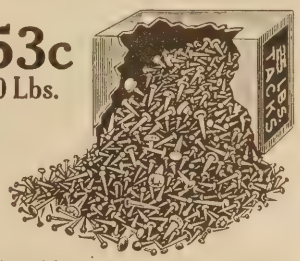


75c
25 Lbs.

Brand new mixed rivets, consisting of wagon makers', tinners', cornice plow round and flat heads. Ranging in size from ½ in. to 4½ in. in length.
4-B-135. Per 25-lb. package..... **75c**

MIXED TACKS

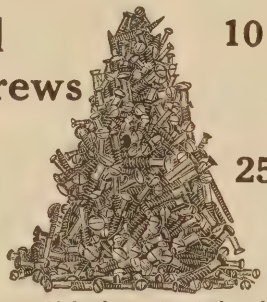
53c
10 Lbs.



A special assortment of tacks, consisting of carpet, bill posters and upholsterers' trimmers' tacks, put up in 10-lb. pkg. An assortment to meet the needs of every household.
4-B-9900. 10-pound package..... **53c**

Mixed Wood Screws

You Need Them Every Day!

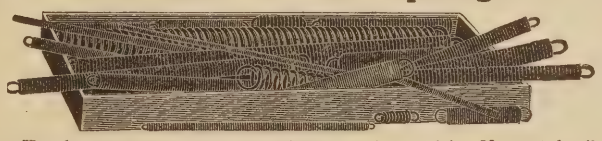


10 Pound Box
50c

25 Pound Box
$1.00

You will save more money on this handy assortment of wood screws than the low price we are asking for them. The assortment contains all bright new screws including round and flat heads from smallest sizes. All the screws constantly needed about the farm and home—always the right screw when you need it most. An excellent assortment for every purpose.
4-B-8042. 10-lb. box..... **50c**
25-lb. box..... **$1.00**

20 Assorted Coil Springs



Here is another assortment, a wonderful bargain containing 20 assorted coil springs made of the best tempered steel. They can be used for almost anything for your binder, mowers, and other implements, for screen doors; in fact, wherever a coil spring is required. This assortment consists of 20 assorted expansion and compression springs ranging in diameter from ¼ to ⅝. Weight about 1¼ lbs.
4-B-8046. COMPLETE ASSORTMENT..... **55c**

Cobbler Outfit

Complete

$1.80

A Necessity in Every Home

Lot No. 4-B-200. Reversible iron stand; men's, boys', women's and child's lasts; hammer, knife, sewing awls, hafts, needles, rivets, heel plates, leather and rubber cement, clamp, punch, soldering copper, solder, resin, tin thread and wax; bored; shipping weight 10 lbs. Price..... **$1.80**

TESTED CABLE LOG CHAINS

Made of the best grade tested cable chain, fitted with hooks and swivels. Length 14 feet with grab hook on one end, large round hook on the other end, swivel in center. Size given is diameter of iron from which the links are made.

4-B-7147. Tested Steel Log Chains.

Size, Inches	¼	5-16	⅜	½	⅝
Weight, lbs.	11	17	23	41	72
Price	$1.80	$2.40	$3.00	$4.40	$6.60

Tested Cable Coil Chain

4-B-7031. Short, straight links, Made of high grade iron of great toughness and guaranteed full size.

Guaranteed to be strictly first class in every particular.

Size, inch	3-16	¼	5-16	⅜	7-16	½	⅝	¾
Approx. Wt. per ft. lbs.	½	¾	1¼	1¾	2	3	5	6
Per Foot	7c	10c	14c	18c	22c	26c	44c	56c

Wrought Iron Chain Repair Links

4-B-7034. Used to replace broken links. Made full size of regular chain iron.

Size, inches	3-16
Price per dozen	3c

Round Chain Hooks

4-B-7045. Forged from the highest grade chain steel.

For chain, inches	¼	⅜	½
Each	13c	17c	29c

Utility Tool Set

$1.50

Handy Tools for All Work

4-B-5963. Set consists of: 11 tools specially selected, forged from high grade tool steel properly tempered. Polished cocobola handle, improved nickel plated chuck. Each tool is nicely finished and guaranteed to give entire satisfaction.
Price..... **$1.50**

Malleable Repair Links

4-B-7036. Can be applied without tools. These links combine simplicity and strength.

For Chain, inch	3-16	¼	5-16
Size, inch	5	5	5
Per dozen	40c	45c	50c

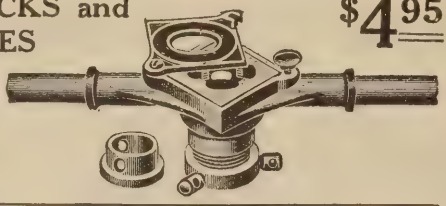
Grab Chain Hooks

4-B-7047. Carefully forged from the highest grade chain steel.

For chain, inches	⅝	⅜	½
Each	13c	25c	35c

MALLEABLE PIPE STOCKS and SOLID STEEL DIES

$4.95



In the manufacture of the dies it has been our aim to furnish a die of unusual cutting qualities. To do this it has been necessary to use a higher grade of steel than has heretofore been employed in the manufacture of pipe dies. We will guarantee that every die has a perfect clearance and will cut a clean thread. When cutting threads use plenty of oil. Lard oil is recommended for this purpose.

4-B-2801. Set No. 0

Pipe size of dies, regular set inches	⅛	¼	⅜	½
Dimensions of dies, inches	2x2x½			
Price per set, complete with dies	$4.95			

4-B-2802. Set No. 1.

Pipe size of dies, regular set, inches	¼	⅜	½	¾	1
Dimension of dies, inches	2½x2½x¾				
Price per set, complete with dies	$6.50				

4-B-2805. Set No. 2.

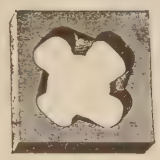
Pipe size of dies, regular set, inches	1¼	1½	2
Dimension of dies, inches	4x4x⅞		
Price per set, complete with dies	$8.95		

4-B-2803. Set No. 1½.

Pipe size of dies, regular set, inches	¾	1	1¼
Dimension of dies, inches	3x3x¾		
Price per set, complete with dies	$5.90		

4-B-2806. Set No. 3.

Pipe size of dies, regular set, inches	2½	3
Dimension of dies, inches	5x5x1¼	
Price per set, complete with dies	$21.65	



EXTRA DIES AND GUIDES.

4-B-2808. These can be furnished either right or left hand thread. In ordering be sure and state which. Unless otherwise specified dies with right hand threads will be shipped.

Dimension of Dies, inches	Pipe Size of Dies	Price of Dies	Price of Guides
2 x2 x ½	⅛, ¼, ⅜, ½, ¾	$0.87	$0.17
2½x2½x ¾	⅛, ¼, ⅜, ½, ¾, 1	.99	.23
3 x3 x ¾	⅛, ¼, ⅜, ½, ¾, 1, 1¼, 1½	1.25	.35
4 x4 x ⅞	½, ¾, 1, 1¼, 1½, 2	1.56	.43
5 x5 x1¼	2½, 3 (right hand only)	5.55	1.20

CHAMPION EASY SCREW PLATES

$12.95

U. S. Standard Thread

Champion easy screw plates make a perfect screw with a single cut. Adjustable dies with taper head screw and taper nut making them rigid and solid. The finest workmanship and material. All dies and taps made of special tool steel perfectly tempered. Come to you in neat wood box with taper taps. Complete with Champion adjustable tap wrench with square socket to fit shank of each tap in set. Holds tap firmly and always in center.

No. 4-B-627. Cuts 5 sizes as follows: ¼-20, ⅜-16, ½-13, ⅝-11, ¾-10, U. S. standard threads. Length of stock, 16 in., weight 7⅞ lbs., price set **$12.95**

No. 4-B-628. Cuts 6 sizes as follows: ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13, ⅝-11, U. S. standard threads. Length of stock 16 in., weight 8 lbs. Price per set **$13.95**

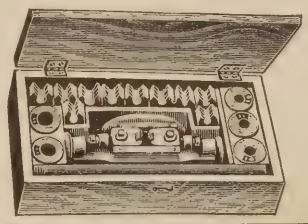
No. 4-B-631. Cuts 9 sizes as follows: ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13, ⅝-11, ¾-10, ⅞-9, 1 in.-8, U. S. standard threads. Has two stocks one 16 in. and one 29 in. long. Weight 19 lbs. Price per set **$23.80**

AUTO AND REPAIR SHOP SCREW PLATE COMBINATION

No. 4-B-633. Consists of 10 dies and taps cutting both standard U. S. threads and S. A. E. auto standard threads. U. S. standard threads 5 sizes: ¼-20, 5/16-18, ⅜-16, 7/16-14, ½-13. 5 sizes S. A. E.: ¼-28, 5/16-24 ⅜-24, 7/16-20, ½-20. One 15½ in. stock and adjustable tap wrench. Hardwood box with taps. Weight 10½ lbs. complete **$16.75**

No. 4-B-634. Combination consists of 16 dies cutting—¼-20, 5/16-18, ⅜-16, 7/16-14, ½-18, 9/16-12, ⅝-11, ¾-10, U. S. standard and ¼-28, 5/16-24, ⅜-24, 7/16-20, ½-20, 9/16-18, ⅝-18, ¾-16, S. A. E. Price per set **$31.95**

ARMSTRONG PATTERN ADJUSTABLE STOCK and DIES for THREADING PIPE



The dies are standard in size and are easily adjusted to the variations and size of pipe. The taper at the entrance of the first few threads is greater than the standard taper, thus forcing six of the teeth of the die to do the work of the cutting instead of two or three as in the ordinary die. This causes them to start on the pipe very easily, even though it is burred considerably. Each set is finely finished and packed in a hardwood box.

4-B-2823. Set No. 2. Size of dies, inches, ¼, ⅜, ½, ¾, 1
Weight per set, 15 lbs. Price complete **$7.45**
Extra pipe dies from ⅛ to 1″ each size **1.25**

4-B-2824. Set No. 2½. Dies in this set are double-ended. Sizes ½x¾ and 1x1¼. Weight of set 20 lbs.
Price, complete **$8.65**
Extra dies, each size **1.55**

4-B-2825. Set No. 3. Size of dies, inches, 1¼, 1½, 2
Weight per set, 35 lbs. Price complete **$11.15**
Extra pipe dies from 1¼ to 2″ each size **2.75**

4-B-2826. Set No. 6. Dies in this set are double ended. Sizes 2½x3. Weight per set, 72 lbs.
Price, complete **$27.85**

SMITH'S COMBINATION PIPE VISES.

6-B-2839. Can be used as a swivel or stationary bottom. Pipe jaws are reversible. Vise can be used either for pipe or as a parallel machinists' vise.

$12.00

Size No.	1	2	3
Weight, lbs.	45	70	105
Capacity, inches	⅛ to 2	¼ to 3	¼ to 4
Width of jaw, inches	3½	4	4¾
Price, each	$12.00	$16.50	$24.00

$3.35

OPEN HINGE MALLEABLE PIPE VISES

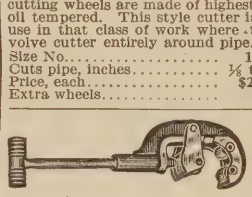
4-B-2841. Made with steel jaws which are interchangeable. Vise is self-locking, heavily constructed. The jaws and every part of vise are fully guaranteed.

Size No.	1	2	3
Cap., in.	⅛to2½	⅛to3½	⅛to4½
Price, each	$3.35	$5.00	$7.40

BARNES' THREE WHEEL PIPE CUTTERS

4-B-2843. Made of malleable iron. Steel pins and cutting wheels are made of highest grade crucible steel, oil tempered. This style cutter is especially suited to use in that class of work where it is impossible to revolve cutter entirely around pipe.

Size No.	1	2	3
Cuts pipe, inches	⅛ to 1	⅛ to 2	1½ to 3
Price, each	$2.28	$3.05	$5.00
Extra wheels	.12	.15	.20



SAUNDER'S PATTERN PIPE CUTTER

4-B-2845. Is suitable for work where the cutter can be revolved around the pipe and leave practically no burr. Pins and cutter wheels are made of crucible steel, tempered.

Size No.	1	2	3	4
Cuts pipe, inches	⅛ to 1	1 to 2	2 to 3	2½ to 4
Price, each	$1.85	$2.75	$6.80	$11.00
Extra wheels	.14	.19	.36	.38

TRIMO PIPE WRENCHES

4-B-2847. Drop forged from bar steel, removable jaw and nut. Are made with round top and bottom, threads guaranteed not to strip or burr. All the parts are interchangeable and can be renewed at small expense.

Lgth. In.	Takes Pipe In.	Price Each	Lgth. In.	Takes Pipe In.	Price Each
6	⅛ to ½	$.90	18	¼ to 2	$2.25
8	⅛ to ¾	1.02	24	¼ to 2½	3.25
10	⅛ to 1	1.12	36	½ to 3½	6.00
14	¼ to 1½	1.58	48	1 to 5	9.00

HARRIS REVERSIBLE CHAIN WRENCH WITH CABLE CHAIN—Steel Handle

4-B-2508

Length, inches 64½
Capacity, inches ..... 2 to 12
Price, each $6.84

STILSON PIPE WRENCHES

4-B-2833. Drop forged. All parts interchangeable.

Lgth.	Takes Pipe	Each
6 In.	⅛ to ½ In.	$0.85
8 In.	⅛ to ¾ In.	.95
10 In.	⅛ to 1 In.	1.10
14 In.	¼ to 1½ In.	1.50
18 In.	¼ to 2 In.	2.20
24 In.	¼ to 2½ In.	3.15

PIPE TAPS AND REAMERS

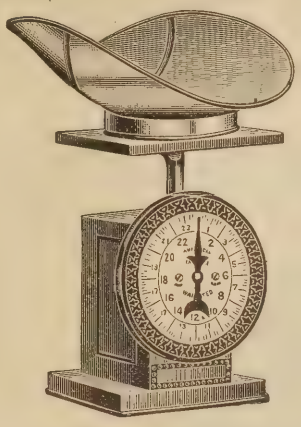
Made of high grade tool steel, each tool fully guaranteed.

4-B-2831. Pipe-Tap.
4-B-2832. Pipe Reamer.

⅛ In.	$0.50	1 In.	$2.05
¼ In.	.60	1¼ In.	2.85
⅜ In.	.80	1½ In.	3.75
½ In.	1.00	2 In.	5.70
¾ In.	1.35		

SCALES FOR GENERAL FAMILY USE

24 lb. Capacity Vertical Dial



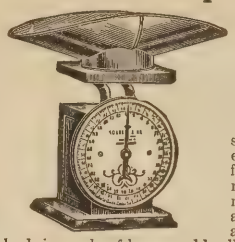
$1.80

A strictly high grade scale for family use. Guaranteed to weigh accurately. The body is made of cold rolled steel, nicely nickel-plated and enameled. Springs are made of high grade tempered steel. Equipped with tension screw for perfect regulating and balance. White enameled dial with graduations plainly marked. Capacity 24 pounds, by ounces. Shipping weight, 6 pounds.

4-C-10035. Price without scoop..... **$1.80**

4-C-10037. Price with tin scoop..... **$2.15**

60 lb. Capacity



Double Platform Supports

This splendid scale embodies every desired feature of workmanship and material. Guaranteed to weigh accurately. The body is made of heavy cold rolled steel, handsomely enameled and finished. The graduations are plainly marked and easily read. The double platform support is a desirable feature; this distributes the weight evenly and assists the scale in maintaining accurate weight. The platform is 7½ inches square. Capacity of scale, 60 lbs., by ounces. Shipping weight, 10 pounds.

4-B-10017. Price, without scoop..... **$3.90**

4-B-10019. Price, with heavy tin scoop..... **$4.75**

24 lb. Capacity

Angle Dial

$1.95

4-B-10001. A well made, dependable scale of unusual value for general family use. Body made of cold rolled steel. Nicely enameled. White enameled dial, slants on angle of 45 degrees, can be easily read at a glance. Capacity 24 pounds, by ounces. Shipping Weight 5 pounds. Each..... **$1.95**

BLACKSMITHS' AND MACHINISTS' TOOLS

Blacksmith Plug and Taper

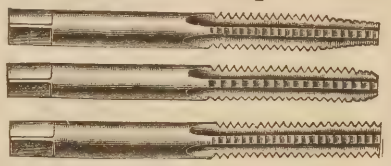
4-B-7121. Right Hand Taper Tap. **4-B-7125.** Right Hand Plug Tap. Made of best grade tool steel. Each tap fully warranted. Always mention number, size and number of threads when ordering.

Size, ⅛ inch, right hand, 30 or 32 thread to inch Price.....22c
Size, 3/16 inch, right hand, 24 or 26 thread to inch. Price.....24c
Size, ¼ inch, right hand, 18-20-22-24 or 26 threads to inch. Price.....30c
Size, 5/16 inch, right hand, 16-18-20 or 22 threads to inch. Price.....33c
Size, ⅜ inch, right hand, 12-14-16 or 18 threads to inch. Price.....37c
Size, 7/16 inch, right hand, 12-14-16 or 18 threads to inch. Price.....42c
Size, ½ inch, right hand, 12-14-16 or 18 threads to inch. Price.....46c
Size, 9/16 inch, right hand, 10-12 or 14 threads to inch. Price.....50c
Size, ⅝ inch, right hand, 10-11-12 or 14 threads to inch. Price.....55c
Size, ¾ inch, right hand, 8-9-10 or 12 threads to inch. Price.....72c
Size, ⅞ inch, right hand, 8-9 or 10 threads to inch. Price.....83c

Machinists' Hand Taps

Size up to 11/32 inch. Shanks are full size of threads. Taps ⅜ inch and larger, shanks same size as bottom of thread. All taps are exact size to standard "V" thread.

4-B-7133. Taper taps.
4-B-7135. Plug taps.
4-B-7137. Bottom taps.



Diam. Inch	Number of Threads	Price, Each	Price, Set of Three	Diam. Inch	Number of Threads	Price, Each	Price, Set of Three
3/16	24	17c	$0.50	⅝	11	54c	$1.62
¼	20	23c	.69	11/16	11	63c	1.89
5/16	18	30c	.90	¾	10	73c	2.16
⅜	16	33c	.99	13/16	10	84c	2.52
7/16	14	36c	1.08	⅞	9	96c	2.88
½	12	42c	1.26	15/16	9	$1.08	3.24
9/16	12	45c	1.35	1	8	1.20	3.60

Reamers for Wood or Iron

4-B-7131. Made of high grade tool steel, properly tempered. Used to enlarge holes where punching and drilling are not quite perfect. To be used in bit brace.

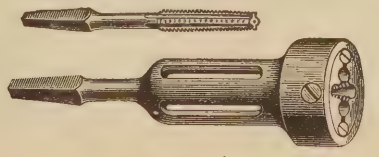
Size, inches	⅞	½	9/16	⅝	11/16	¾
Price	56c	65c	75c	84c	97c	$1.12

Adjustable Tap and Reamer Wrench

4-B-7129. Strong and durable. Nicely finished. Guaranteed to hold taps and reamers tight.

Length, inches	11	16	21
Holds Taps	¼ to ½	½ to ¾	¾ to 1
Price	$3.50	$4.00	$5.00

Taps—Dies—Holders



Either Tap or Die will work in an ordinary Bit Brace, used largely for tapping Nuts and Threading Bolts.

Making perfect threads at a single cut.

Size, inches	3/16	¼	5/16	⅜	7/16
4-B-7139. Die, tap, holder, com...	$2.85	$2.85	$2.85	$3.35	$3.50
4-B-7141. Die only	1.50	1.50	1.50	1.75	1.95
4-B-7143. Tap only	.75	.75	.80	.80	1.05

4-B-7145. Holders, separately, any size, each.....80c

Unless otherwise ordered, we will send these taps and dies 1/32-inch over size V thread.

Bells for Farm and Ranch

Styles 1-2-3

A bell is a necessity on a farm. For with it an alarm can be sounded and distinctly heard for a great distance. These bells are made of a crystal composition. They have a clear tone and are best bells for factory or farm manufactured.

Style 4

Thirty Days' Free Trial

4-B-10209. Styles, 1, 2, 3 and 4.

Should any bell we send you prove unsatisfactory after you have given it a careful test and trial for thirty days, send it back and we will return the full purchase price, together with any transportation charges you have paid.

Size No.	1	2	3	4
Approximate Diameter	15	17	19	21
Approximate Weight	40	50	75	100
Price, complete, F. O. B. Chicago	$3.50	$4.25	$6.00	$8.20

PREMIER STEEL SCALES

STEEL FRAME PITLESS SCALES FOR STOCK AND WAGONS

Ball Bearing
And
Absolutely Accurate

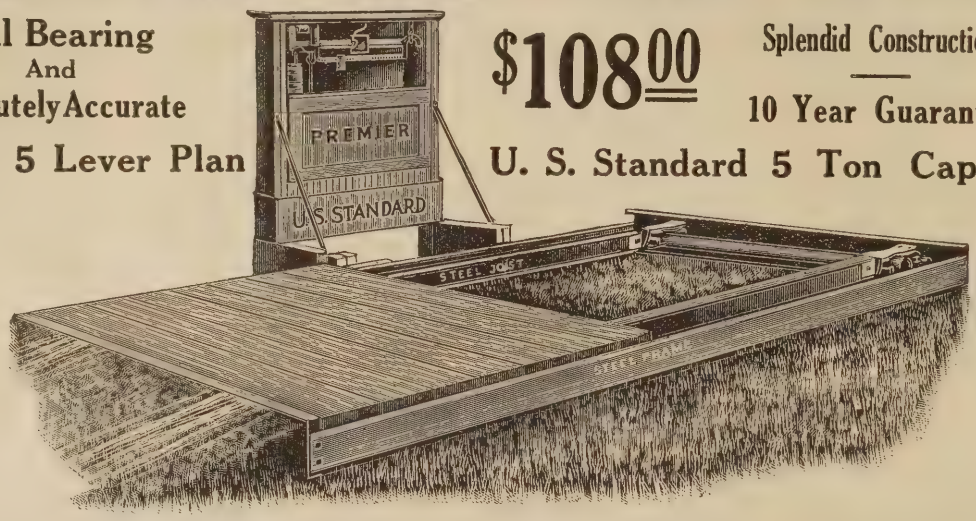
Built on 5 Lever Plan

$108.00

Splendid Construction

10 Year Guarantee

U. S. Standard 5 Ton Capacity



Premier Scales embody the best features known in scale construction and have many improvements over other pitless scales.

Every bearing rests in an independent, self-adjusting seat, and cannot be thrown out of line. A scale to weigh correctly at all times must swing perfectly clear, and the nearer you come to preventing a bind the nearer perfect your scale will weigh.

Premier Scales are built on the five lever plan, recognized as the best construction by leading scale experts. There are two pipe levers, one at each end of the scale and two arm levers. The two arm levers carry the weight to cross lever, and this lever takes the weight to beam.

The Cross lever rests in an independent stand on a small foundation and this lever is absolutely independent. All levers are stationary and the jar of a load going on the scale or the vibration of the platform will not move them a particle. This means a true bearing at all times and you can be assured correct weights. This cannot be said of scales where the levers swing with the platform and every vibration and jar of the platform directly affects the levers.

A good many Pitless Scales use a cross lever having the main bearing attached to the steel joist. Where this is the case every motion of the platform moves the cross lever, and this form of construction is a source of annoyance, for the motion of the platform tends to throw the lever from a true bearing, and as soon as any lever in a scale is off a true bearing the scales will weigh incorrectly.

THE BALL-BEARING feature is the crowning one of this scale. It is well known that a scale with ball bearings will wear much longer than one without, and it will remain sensitive and accurate long after the old style needs repairs. No matter how much the corner settles, within a reasonable amount, the ball bearings are

LATEST COMPOUND FULL CAPACITY BEAM
WITH TARE BAR AND
ROLLER BEARING POISE

bound to remain in the center of the cups, since it is impossible for them to rest on the sides of the cups. Therefore the platform will not bind if the corner settles, but the ball bearings will always roll to center, and stay there.

INTERCHANGEABLE PARTS. All parts of our scale are made standard, and are interchangeable—an advantage not fully appreciated until something happens, and you are obliged to send your whole scale to a shop to have one part adjusted, as is the case with most other scales on the market. It is not so with the "PREMIER." We can ship you any part and you can put it in yourself and the scale will weigh perfectly. The construction throughout is so simple, and there are so few parts to get out of order. PORTABILITY—It is often necessary to move a scale, consequently we have paid particular attention to this feature.

THE BEAM. We use only one style beam. We believe it to be the most perfect yet devised—the latest compound full capacity beam, with tare-bar and roller bearing poise. It is made of iron, brass faced, with cast steel spring latch. The upper, or main, bar is notched and graduated in 200-pound notches, up to 10,000 lbs. The small bar is graduated in 2½ lbs., up to 200 lbs. The tare-bar is of solid brass, and has round sliding poise, with thumb screw to secure it, also of brass. It is graduated in 5 lbs., up to 2000 lbs. No loose weight to contend with. Your whole weighing outfit is right on the beam front of you.

DEPTH OF FRAME. Note especially this feature, the frame, over all, is only eight inches high. This is a particularly strong point, as all pitless scales rest on top of ground; and the lower the frame, the easier it is to drive onto it with a loaded wagon.

ADVANTAGES. With a pitless scale you are saved the many annoying and expensive features of the Pit Scale—such as digging and walling the pit; the services of a carpenter to build the frame work; renewing broken and rotten timbers; removing platform to clear out the trash and dirt that constantly accumulates, etc.

OUR GUARANTEE for 10 years is made in compliance with laws governing weights and measures and will pass inspection anywhere. They meet all requirements of recently enacted laws in the various states. We guarantee that inspectors will approve them. You are thus assured of durable, accurate scales, with hardened steel bearings, tool steel pivots, platform easily movable and not binding on frame, besides many other improvements.

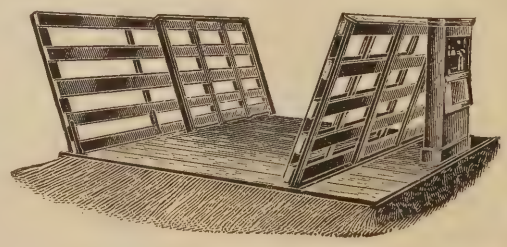
Capacity, 5 tons. Size of platform, 8 feet by 14 feet. Shipping weight about 1400 pounds. Shipped from factory in Illinois or Missouri.
4-B-9810. Each..... **$108.00**
4-B-9811. 10-ton capacity. Platform 8x22. Shipping weight, 2600 pounds..... **$233.00**

Folding Stock-Rack Irons

With these Irons a most substantial rack can be built upon any wagon-scale platform; and it is no more expensive than the old-style. Rack can be folded back, like shown in cut, requiring less than five minutes' time. As rack is balanced on platform, it does not affect the accuracy of weight. We furnish all the irons to build the rack, with full directions, and specifications for lumber required.

We do not furnish any bolts or lumber. About 200 feet of lumber is required eight 30 pounds.

4-B-9812. **(Irons only)**, for building rack, 8x14x5 feet.
Price..... **$4.50**



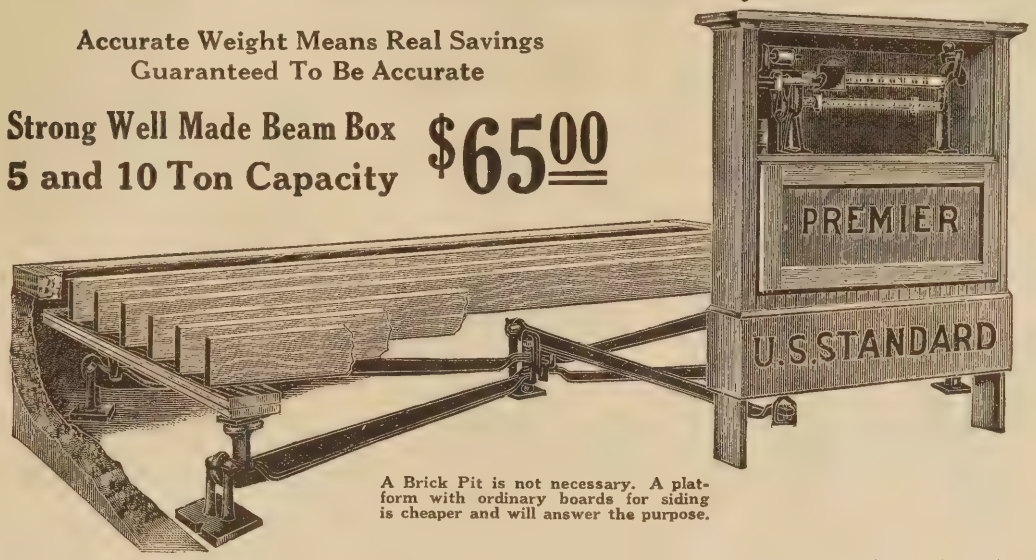
GUARANTEED CONSTRUCTION

PREMIER PIT SCALES

Brick Foundation Not Necessary

Accurate Weight Means Real Savings
Guaranteed To Be Accurate

Strong Well Made Beam Box
5 and 10 Ton Capacity **$65.00**



A Brick Pit is not necessary. A platform with ordinary boards for siding is cheaper and will answer the purpose.

The principle of this Scale is absolutely correct. Each lever upon which the platform rests conveys the weight that is put on it to the beam, independently of the other levers. By referring to illustration you will note that the four principal levers on which the platform rests are hung between an iron stand at the outer end and a loose shackle at the center; each lever being perfectly free to move by itself, and the weight is transmitted to the beam through the fifth lever, which has no other function. The large illustration shows this scale just as you would set it in a pit. It shows the iron stand resting on the mud sills, which may be of solid timber, or any 2-inch built-up material as shown. The floor or platform is 8 feet wide and 14 feet long. The Beam Rod goes up to beam from end of lever. Scale has five levers of the best quality of cast iron and is made heavy and strong.

It also has the valuable Ball Bearing feature. In fact, we manufactured and sold thousands of these scales before pitless scales were thought of, and while we now recommend the pitless scale wherever it can be used, there are some places and conditions where the pit scale is better adapted; for instance, where the scale must be set level with the surface, or for where there is not room to build the approaches.

Our Brass Compound Beam with Roller Bearing Poise enables you to weigh quickly and accurately, and you have no loose weights to bother with.

Timber required for 5-ton scale. Any timbers that are more than two inches thick can be made by spiking two inch stuff together. Bearing planks, two pieces 4x8—7½ feet long. Joists, six pieces, 2x8—14 feet long. Floor, fourteen pieces, 2x12—8 feet long. Coping, sides two pieces, 6x6—15 feet long. The coping must be mortised at the corners, and they should be square, the opening to be 8x14 feet. The levers do their own measuring—all that is necessary is to get the mud sill under the stand; it does not matter if scale is set square or diamond shaped—it weighs just the same. No other scale made has this flexibility.

4-B-9905. 5-ton capacity Premier Pit Scale. Platform, 8x14. Weight, 525 lbs. Shipped from Illinois or Missouri..... **$65.00**

4-B-9910. 10-ton capacity Premier Pit Scale. Platform, 8x22. Weight, 1000 lbs. Shipped from Illinois or Missouri. **$130.00**
Timbers or planks for this scale are not included.

HIGH GRADE PLATFORM SCALES

ADJUSTED AND SEALED TO U. S. STANDARD WEIGHTS

DOUBLE BEAM

PREMIER PORTABLE WEIGHTLESS SCALES

Accurate Balancing
Ball Easily Operated

$25.20

Premier Portable Weightless Scales are built to withstand the wear and tear of heavy weighing

No loose weights to get lost, as the full capacity of the scale is shown on the brass beam.

The weighing beam is of brass, consisting of two bars, the upper bar with small sliding poise is graduated in half pounds marks up to 100 pounds, lower bar with large poise is notched and graduated in 100 pound marks to the balance of the capacity of the scale.

Accurately sealed to United States Standard Weights. Finely finished and fully guaranteed.

We specially recommend this scale for store and factory requirements.

4-B-9926. With Double Beam

Cap. Lbs.	Size of Platform, Inches	Shipping Weight	Price
600	16x22½	150	**$25.20**
800	17x23	160	**28.00**
1000	18x25	170	**30.75**
1200	18x27	180	**35.00**

PREMIER SINGLE BEAM PLATFORM SCALES **$21.00**

THE BEST Scale at a medium price that money will buy from any house.

Every Farmer should have a portable scale, as it will save cost many times during the year, especially at the price we offer it. We are able to quote this extremely low price because of the quantity we use. We know that when you see it you will agree with us as to its great value.

They are built with steel pivots, carefully hardened and finished. Platform rests on adjustable chilled bearings, which take all the wear off the steel pivots, and as pivots remain sharp, the scales are always quick and sensitive.

It is made of very best material and workmanship throughout, neatly finished, strong and accurate.

Solid brass weighing beam, graduated in ½ pounds, with brass sliding poise.

Shipped promptly from warehouse stock, near Chicago, and guarantee perfect satisfaction or refund your money.

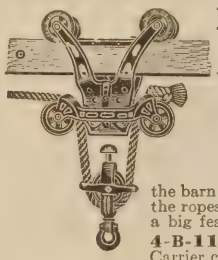
Made in the following sizes:

4-B-9922. With Single Beam

Capacity, Lbs.	Size of Platform, In.	Shipping Weight	Price
600	16x21	140	**$21.00**
800	17x23	150	**24.50**
1000	18x25	160	**26.60**
1200	18x27	165	**30.80**

Premier Scales are carefully prepared for shipment so that they will arrive in perfect working order. They are shipped to you for quick service, direct from our factory in Illinois or Missouri.

Best Made Hay Carrier Tools



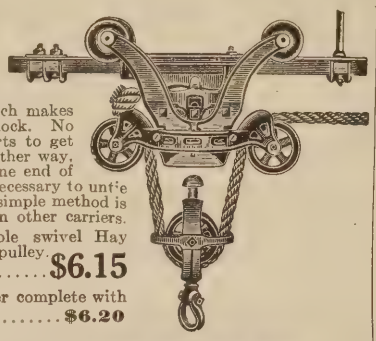
Double Swivel Hay Carriers

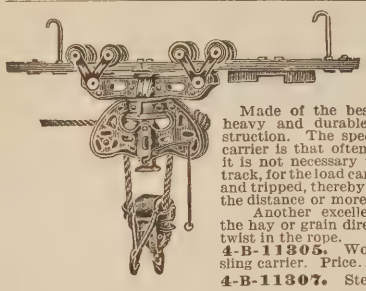
With Improved Locking Device.

Has but two pieces, which makes it an absolutely positive lock. No springs or unnecessary parts to get out of order. Will work either way, by changing pulley from one end of the barn to the other, making it unnecessary to untie the ropes from other pulleys. This simple method is a big feature not generally found in other carriers.

4-B-11301. Wood track double swivel Hay Carrier complete with stop and fork pulley. Price.....**$6.15**

4-B-11303. Steel track double swivel Hay Carrier complete with stop and fork pulley. Price.....**$6.20**





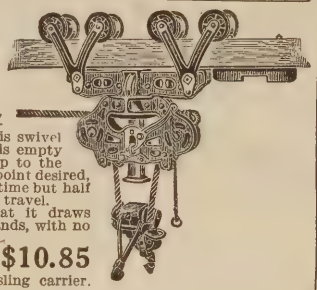
Double Swivel Sling Hay Carrier

Made of the best malleable iron, heavy and durable, simple in construction. The special feature of this swivel carrier is that often when the barn is empty it is not necessary to raise a load up to the track, for the load can be raised to any point desired, and tripped, thereby saving not only time but half the distance or more for the horses to travel.

Another excellent feature is that it draws the hay or grain direct as the load stands, with no twist in the rope.

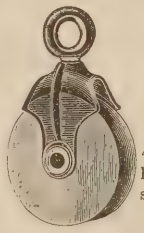
4-B-11305. Wood track swivel sling carrier. Price.....**$10.85**

4-B-11307. Steel track swivel sling carrier. Price.....**$10.90**



SNATCH PULLEY BLOCK

4-B-11309. To shorten travel of horse without reducing the power. Horse travels only half the distance hay is carried. Frame is made of malleable iron with iron sheave. For use with manila rope only. Price, each.....**90c**



Iron Yoke Hay Fork Pulley

4-B-11311. Whith loose hollow pin, hard maple sheave, 6 inch. Price, each. **15c**

WOOD FRAME HAY FORK PULLEY (Self Oiling)

4-B-11313. Frame and sheave are made of the best hard maple, fitted with wrought iron yoke, malleable iron eye and swivel springs—the most durable hay fork pulley manufactured. Price, each.....**20c**

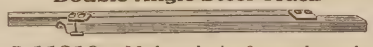
STEEL YOKE KNOT-PASSING PULLEY.

4-B-11315. With maple sheave. 6 inch diameter. Price, Each,...**45c**

FLOOR HOOKS.

4-B-11325. Used to screw to floor to hold pulleys. Diameter, ¾ inch Price, each.....**12c**

Double Angle Steel Track



4-B-11319. Made only in five and ten foot lengths. Furnished complete with coupling and bolts. Two end bumpers are furnished with track when 30 feet or more are ordered. Price, per foot.....**18c**

STEEL TRACK HANGING HOOKS.

4-B-11321. For double steel angle track. Price, each.....**14c**

WOOD TRACK HANGING HOOKS.

4-B-11323. 14 inches along the bend. Price, each.....**14c**

Self-Locking Sling Pulley

4-B-11333. Can be used in connection with our Double Swivel Hay Carrier. The simplest and strongest sling pulley ever offered. It has no springs, and regardless of how large or how small the load of hay is in the wagon sling it will lock at any place.

When the knob of the Sling Pulley enters the Hay Carrier, the entire weight of hay is on this knob and throws the lock against the rope between the two pulleys and when the load is dumped and Hay Carrier is returned and strikes the stop block, the knob drops, the sling pulley is unlocked and is ready for another load. Price.....**$2.70**

ROPE HITCH WITH SWIVEL HOOK.

4-B-11317. Malleable iron. Will take rope up to 1 in. Each,..**24c**

JOINED HANGING HOOKS.

4-B-11327. Used for hanging wood track to beams without using rafter brackets. Price, each.....**15c**

Galvanized Hay Carrier Cable

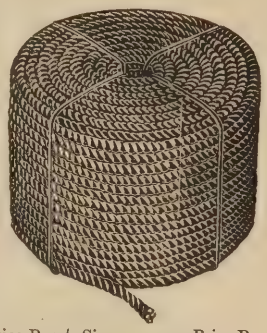
2-B-11353. ½ inch diameter, composed of 7 wires. Price, per foot.....**5c**

2-B-11355. Clamps for cable Hay carriers. Price, each.....**30c**

2-B-11357. Collars for cable Hay carriers Price, each.....**22c**

Pure Manila New Rope

2-B-11617. Made of selected long pure Manila fiber. The ⅜ inch is used for the Trip and the ¾ inch is generally used for the Carrier, although in connection with our outfits either the ⅞ inch or the 1 inch rope can be used.



Size Inches	Price Per 100 ft.	Size Inches	Price Per 100 ft.
¼	$0.40	⅞	$4.65
⅜	.90	1	5.50
½	1.50	1⅛	7.50
⅝	2.60	1¼	8.70
¾	3.40	1½	12.70

Single Harpoon Hay Fork

4-B-11335. Regulation size, made of best materials. Price, each.....**$2.45**

Double Harpoon Hay Forks

4-B-11337. Short tine double Harpoon Hay Fork, 25 inch tine, 16 inches between points. Made of best quality material. Price, each.....**$2.10**

4-B-11339. Long tine, Double Harpoon Hay Fork, tines 30 inches long, 16 inches between points. Price, each.....**$2.35**

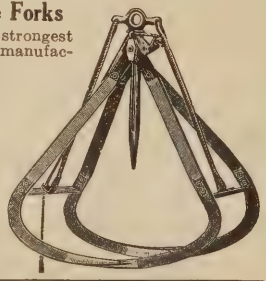
4-B-11341. Double Harpoon Hay Fork, 34 inch tines, 22 inches between points. Designed for handling alfalfa and straw. Can be used, however, for handling any kind of hay. Price, each.....**$3.60**

Hay Grapple Forks

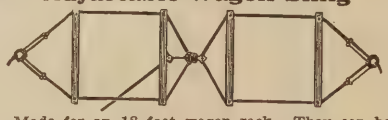
The best and strongest Grapple Forks manufactured.

4-B-11343. 4 tine Grapple Fork for regular work. Price, each. **$7.00**

4-B-11345. 6 tine Grapple Fork for short hay, loose straw. Price, each...**$8.85**



Adjustable Wagon Sling



Made for an 18 foot wagon rack. They can be made shorter for any size wagon by drawing the ropes through the wood bars and tying another knot on each side of wood bars. There is a center trip on all slings and they are fitted with the best and simplest lock.

An outfit generally consists of one sling pulley and three wagon slings, so as to take off an entire load in three lots. The trip rope is of proper length, permitting the sling to be easily tripped. Sling pulleys or sling carriers must be used with wagon slings.

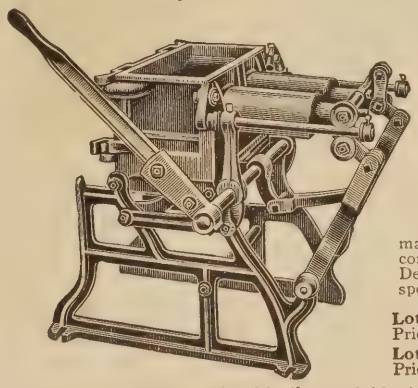
4-B-11347. Length, 4 foot. Price, each..**$3.85**
4-B-11349. Length, 5 foot. Price, each..**4.35**
4-B-11351. Length, 6 foot. Price, each..**4.55**

Rafter Brackets

4-B-11329. For Hay carrier track. Price, each.....**5c**

X-L-All Senior Cement Block Machine

The fastest machine on the market and extremely simple in construction and operation, as you will note from the illustrations, having absolutely no complicated parts to get out of order. Each machine is made in a thorough workmanlike manner with best gray iron castings; all parts are machine finished and made interchangeable.



Complete List of Parts Furnished

1 Plain Face Plate for making whole blocks.
1 Plain Face Plate for making one-half and one-quarter blocks.
1 Rock Face Plate for making whole blocks.
1 Rock Face Plate for making one-half and one-quarter blocks.
1 Left Hand Rock Face End Door.
1 Left Hand Plain Face End Door.
1 Double End Tamper.
2 Dividing Plates for ½ and ¼ size blocks.
1 Graduating Bar.
1 Steel Plate for making Gable Blocks.
1 Steel Striker.
1 Sample Wood Pallet.
2 Core Plugs.
1 Right Hand Core End Door.
1 Left Hand Core End Door.
2 Pallet Plugs.
1 Sample Iron Pallet.
1 Steel Plate for inside corners.
1 Steel Carrier.
2 Joist Block Attachments.
Face Plates to make ¾ blocks.

Our Concrete Block Outfits are more complete than furnished with any other similar type of machine. With this outfit you can make a full block, one-half and one-quarter blocks, return corner blocks, also round corner window blocks and joist blocks in both Rock and Plain Face Design. We give you your choice of any 2 styles of faces that you desire, but unless otherwise specified, we always furnish THE X-L-ALL MACHINE with a plain and rock face.

Lot No. 4-B-1218. 8x8x16 machine complete as above, weight 450 lbs. Price **$95.00**

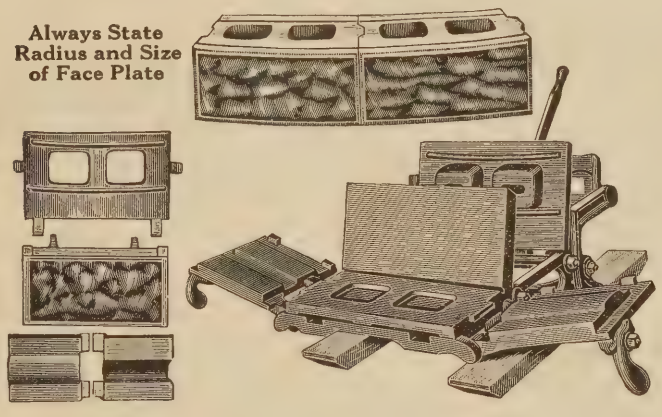
Lot No. 4-B-1220. 8x10x16 machine complete as above, weight 480 lbs. Price **105.00**

The X-L-All Machine is designed for the use of either iron or wood pallets. We recommend iron pallets; they cost but very little, if any more than the wood pallets properly made. More blocks are lost by the use of poorly made wood pallets than the value represented by a full set of iron pallets. Iron pallets do not warp, and are practically indestructible. We furnish 1 each sample iron and wood pallet with each X-L-ALL BLOCK MACHINE.

If you want to make 8x8x16 inch and 8x10x16 inch blocks, it is not necessary to purchase two complete outfits. All that is necessary for you to order is one extra mold box outfit, which is described and illustrated on this page. You will thus have equipment for both size blocks at but a small additional investment.

Machine and parts are shipped direct from factory, near Chicago.

Always State Radius and Size of Face Plate



X-L-All Silo Block Making Attachment

You Will Save Cost of Machine on One Silo.

The illustration at the left is our Junior X-L-ALL Silo Machine attachment with mold box open. Note the curved face plates with beveled ends so as to make tongue and groove block so as to accommodate 6, 8, 10 and 12-foot radius, making a perfect close and lock joint. Also note half round in back plate, which leaves a concave in finished block to receive the reinforcement wire. Note the lock joint and grocve for wire.

You can make silo 12 ft. in diamter, 16 ft. in diamter, 20 ft. in diameter, and 24 ft. in diameter, and any height you may desire.

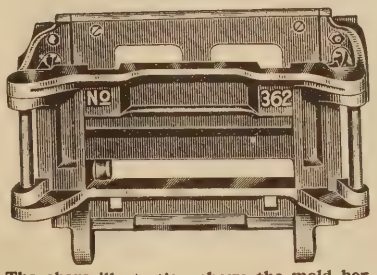
Silo block attachment that we can furnish for X-L-ALL Senior machine. Not found in any other make of machine but the X-L-ALL.

Lot No. 4-B-1254. Size 8x8x16. Weight, 70 lbs. Price **$21.00**

Lot No. 4-B-1256. Size 8x10x16. Weight 90 lbs. Price **22.00**

Always state radius and style of face plates wanted, whether rock or plain.

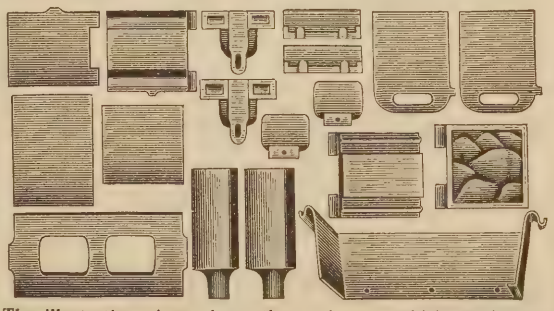
Mold Box and Mold Box Outfit



The above illustration shows the mold box we furnish with this mold box outfit.

$42.00

If you wish to make two size blocks, include with your order a mold box outfit. These outfits consist of 2 core hole plugs—2 pallet plugs—2 joist attachments—2 core end doors—1 plain end door—1 rock end door—1 cast iron pallet—2 dividing plates—1 carrier. All face plates are interchangeable, fit any mold box, and only one set of face plates are necessary.



The illustration above shows the equipment which we furnish with extra mold boxes for X-L-ALL Machines.

The Outfit Includes:

1 Mold Box.
1 Iron Pallet.
2 Cores.
1 Rock End Door.
1 Plain End Door.
2 Core End Doors.
1 Carrier.
2 Dividing Plates.
2 Core Hole Plugs.
2 Pallet Plugs.
2 Joist Attachments.
1 Piece of Steel for Gable Blocks.
1 Piece of Steel for Inside Corner Blocks.

Prices for mold box outfits complete with mold box:

No. 4-B-104. Size 8x8x16 in. Price **$42.00**

No. 4-B-105. Size 8x10x16 in. Price **45.00**

Garden Implements and Tools

Tree Pruners

4-B-7575

Pruning can be done without climbing or using a ladder. Furnished complete with wood pole. The blade, being thin, offers but slight resistance in cutting. Length complete, eight foot.....**$1.25**

For use of lineman for cutting wires free from the branches. Also is desirable for orchard use. Is supported by a rope, tied in the end of a lever. When released the spring opens the blade. Socket is threaded and can be readily screwed on pole of any required length.

4-B-7565. Extra knives for above Pruner. Each **8c**.

4-B-7567. Price is for Pruner only and does not include pole or rope. Price.....**$1.30**

Two Prong Hoe

4-B-7557. Two-pronged forged tempered steel blade. Width, 3½ inches, height, 9 inches. 4-foot selected hardwood handle. Strong and durable. Price, each.....**33c**

Warren Pattern Hoe

4-B-7559 Polished steel blade, 6½ ins. wide, 7½ ins. deep. Selected hardwood handle, 4½ feet long. Made in superior manner. Price, each.....**50c**

Weeding Hoe and Rake

4-C-7561 Polished steel Blade, 6½ inches wide, 7½ inches deep. Selected hardwood handle, 4½ feet long. Made in superior manner. Price, each.....**95c**

Hand Cultivator

4-B-7555. Strong and substantial. Has 5-foot pointed forged tempered steel teeth, 4-foot selected hardwood handles. Price.....**90c**

Grub Hoe Handle

4-B-7521. Selected Hickory handle, length, 36 inches. Price, each **34c**

Grass Catcher

4-B-7649. Adjustable grass catcher. Made of striped canvas, galvanized steel bottom, steel wire frame to fit 12 to 14 inch mower.....**95c**

4-B-7651. To fit mowers 16 to 20 inches wide. Price, each.....**$1.05**

MALLEABLE IRON RAKES

4-B-7563. Made in a superior manner and an excellent value. Hardwood handle; length, 5½ feet.

Number of Teeth	12	14
Price, each	43c	46c

REVERSIBLE LAWN RAKES

4-B-7513. A great favorite. Can be used for grass or leaves, has 24 heavy steel wire teeth, 6-foot selected hard wood handle. Price, each.....**49c**

BRACED STEEL GARDEN RAKE

4-C-7537. The very best garden rake made, fitting head in one piece of solid steel. Steel bows well braced. Selected hardwood handles.

No. of Teeth	12	14
Length handle, feet	5½	6
Price, each	90c	98c

CALIFORNIA PATTERN PRUNING SHEARS

4-B-7545 Extra quality black finish Steel Blade. Malleable handle, volute steel spring. Length, 9 inches 2½ inch blade. Price, each.....**75c**

4-C-7547. Extra Quality California Pruning Shears. Bright nickel plated. 2½ inch finely tempered steel blade. Length, 9 inches. Fully warranted.**$1.85**

PRUNING SHEARS

4-B-7539 Malleable iron handles. Spiral brass spring and link. Length, 9 inches; 2¼ inch steel blades. Price, each.....**14c**

4-B-7541 Henry Pattern Pruning Shears. With a volute steel spring, Black japanned handles. Fine tempered steel blade. Length, 8½ inches. Fully warranted. Price.....**60c**

Lawn Mowers

$6.75 and up

These **Light Running** Lawn Mowers are manufactured especially for us in one of the most modern lawn mower factories in this country. These machines embody all latest improvements. The simple construction and quick adjustment being special features of our lawn mowers.

The Eureka and Premier Mowers are **Ball Bearing** type and are guaranteed by us to be the equal of any lawn mower manufactured regardless of price.

Our Comet Mower is of the **Bronze Roller Bearing type** and second in quality only to our ball bearing mowers. Every lawn mower is guaranteed perfect in material and workmanship and will give lasting satisfaction.

Comet Lawn Mower

Wheels 8⅜ inches. High grade brass bearings. Three blade, 5½" inch cutting cylinder, continuous shearing. Well made, accurately adjusted.

Number	Blade, inches	Weight, pounds	Price, Each
4-B-7601	12	40	$ 6.75
4-B-7603	14	42	7.15
4-B-7605	16	44	7.50

Premier Lawn Mower

Ball bearing. Drive wheels, 10-inches in diameter with extended rim. The ratchet is noiseless and positive in action. Four crucible steel blades, finely tempered. Easily adjusted.

Number	Blade, inches	Weight, pounds	Price, Each
4-B-7609	14	53	$11.95
4-B-7611	16	56	12.50
4-B-7613	18	59	13.00
4-B-7615	20	62	13.80

Eureka Lawn Mower

A ball bearing, 9-inch wheel with extended rim, four fine tempered and ground crucible steel blades. Cutter bar is strong and ground to accurate edge. Cutter bar knife is adjustable.

Number	Blade, inches	Weight, pounds	Price, Each
4-B-7645	14	46	$10.90
4-B-7646	16	48	11.25
4-B-7647	18	50	11.60

Steel Manure Hook

4-C-7533. Made in a strong, durable manner. With four 9-inch forged crucible steel oval tines. 6-foot selected straight hardwood handle, plain capped ferrule, riveted through handle, will not pull off. Price.....**$1.15**

Steel Potato Hook

4-C-7535. Made in a strong, durable manner. Four diamond back crucible tines; length, 6½ inches; 4½-foot extra quality hardwood handle. Plain capped ferrule, riveted through handle; will not pull off. Price.....**$1.05**

Solid Socket Field Hoe

4-B-7551. A heavy, strongly made, durable Hoe. Suitable for any general field work. Blades are made of high grade forged steel. Heavy one piece steel sockets. Extra quality hardwood handles. 7-inch hoe has 5-foot handle; other sizes, 4½ feet.

Width of blade, inches	6	6½	7
Price, each	70c	75c	80c

Manure Forks

4-B-7527. Strong, durable fork, exceptionally well made. Has 12-inch polished crucible oval steel tines. 4½-foot extra quality bent hardwood handle. Capped and strapped ferrules.

No. of tines	4	5	6
Price, each	$1.25	$1.45	$1.75

4-B-7531. Extra well made. Has 12-inch polished crucible oval steel tines. Extra quality bent hardwood handle, malleable "D" heads, hardwood grips. Capped and strapped ferrules.

No. of tines	4	5	6
Price, each	$1.30	$1.70	$1.90

LONG HANDLE MANURE FORKS

4-B-7525. A strong, well made fork. 12-inch oval polished crucible steel tines. 4½-foot selected bent wood handle. Plain capped ferrule.

No. of tines	4	5	6
Price, each	85c	$1.10	$1.70

"D" HANDLE MANURE FORKS

4-B-7529. Strongly made and well finished. Polished oval steel tines. Selected bent wood handle, malleable "D" heads, hardwood grips. Plain capped ferrules.

No. of tines	4	5	6
Price, each	$1.12	$1.34	$1.53

HAZEL OR PLANTER'S EYE HOE HANDLE.

4-B-7523. Selected Hickory Handle, length, 5½ ft. Price each.....**40c**

4-B-7517. Adze Eye Hazel Hoe. 6 inches wide, 10 inches long. Weight, about 3 pounds. Price..... **97c**

4-B-7515. Adze Eye Grub hoe. 4-inch cut. weight, about 3½ lbs.....**59c**

4-B-7519. Planters' Eye Hoe. Solid forged steel. Weight about 1½ lbs.

Size, inches	Price, each
7	45c
7½	47c
8	51c

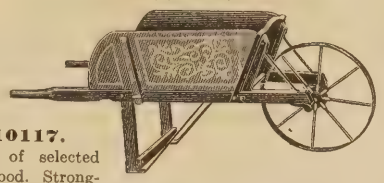
Mortar Hoe

4-C-7553. A strong, durable hoe. Made especially for mixing mortar and concrete. Has 6x10 inch forged steel blade, solid shank and socket. 6-foot selected hardwood handle. Price, each.....**$1.15**

MORTAR AND CONCRETE BARROW

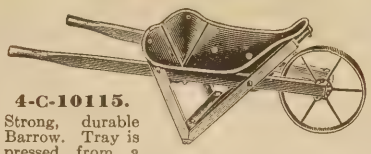
4-B-10103. Heavy steel tray, 24 inch wide, 36 inch long. Depth at wheel, 14 inch. Depth at handles, 8 inches. Hardwood handles 1¾x2¼x60 inches. Heavy steel angle legs. 17 inch improved steel wheel with malleable hub. Tire, 1½ inches x ⅜ inch with diameter of spokes, ½ inch. Capacity, 4 cubic feet. Shipped knocked down. Weight, about 70 lbs..... **$8.75**

GARDEN BARROW



4-B-10117. Made of selected hardwood. Strongly constructed with steel braces, painted and varnished in a superior manner. Removable sides. Bed length, 28 inches. Width at handles, 20 inches, depth, 12 inches. 20-inch improved steel wheel with malleable hubs. Tire 1½ inches wide. Weight, about 55 pounds.. **$5.75**

STEEL TRAY BARROW

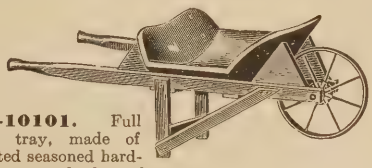


4-C-10115. Strong, durable Barrow. Tray is pressed from a single sheet of 18-gauge steel without seam or lap, with edge turned over a ⅜-inch rod, which stiffens tray and gives it a round finished edge. Tray is mounted on triangular blocks which elevate the front and make it possible to carry a larger load without spilling. Has 16-inch improved steel wheel with malleable hub, 1¼-inch on tread. Shipped knocked down. Weight, about 47 lbs. Price. **$5.40**

PAN TRAY BARROW

4-B-10127. A great favorite with the contractors. Tray is pressed from a single sheet of 16-gauge steel, wired and beaded on edge with ⅜-inch steel rod. The strongest and smoothest Pan Tray Barrow made. Size of tray, 33x32 inches. Depth at wheel, 11 inches. Depth at handle, 7½ inches. Capacity, 4 cubic feet. Strongly braced and bolted. 16-inch improved steel wheel with malleable hub, 1½ inch on tread. Shipped knocked down. Weight about 60 pounds. Price..... **$7.15**

DIRT BARROW



4-B-10101. Full sized tray, made of selected seasoned hardwood, strongly braced and well bolted. Has 16-inch improved steel wheel with malleable hub, 1¼ inch on tread. A strong, durable barrow which will give excellent satisfaction. Shipped knocked down. Weight, about 45 lbs. Price..... **$4.15**

TUBULAR STEEL BARROW

Made entirely of steel. For handling coal, mortar, concrete, etc. Trays stamped from one piece of 15-gauge steel with beaded edge. Handles made of tubing.

4-C-10129. Length on top, 32 inches, width on top, 28 inches. Depth at wheel, 7 inches. Depth at handles, 5 inches. Capacity, 3 cubic feet. Price..... **$8.95**

4-C-10131. Tubular Steel Wheel Barrow. Length on top, 37 inches, width on top, 29½ inches. Depth at wheel, 9 inches. Depth at handles, 6½ inches. Capacity, 4 cubic feet. Price..... **$9.25**

DOAN DITCH SCRAPER

Commonly called "back filler". Used to cut or fill ditches and leveling roads. Made of selected hardwood heavily strapped with ⅛-inch iron bands, and securely bolted. Hard steel bit, made of No. 7 gauge steel. Fitted with regular plow handles and draw bars especially bent from steel 1¾x⅝ inches, to which is attached a heavy chain. Shipped from Factory, Central Ohio.

4-B-10125. Doan Scraper. Weight, 83 pounds. Price..... **$8.50**

CHICAGO TONGUE SCRAPER

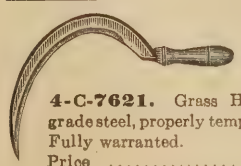
Used to cut or fill ditches and handling earth. Body is made of selected hardwood. Tongue and crossbars of thoroughly seasoned oak heavily strapped, securely bolted and riveted. The draw bars are made of extra quality steel, 1½ x½ inches. Malleable iron shoes are used, which are superior to steel, being thicker and will last longer. Made with square holes for the shoulder of the bolt. When the nuts are tightened the bolt cannot turn. There is also a socket for the head of the bolt to rest in. Weight, 135 pounds. Shipped from Factory, Central Ohio.

4-B-10133. 48-inch Chicago Tongue Scraper. Price..... **$9.45**

IMPROVED SCYTHE PATTERN

4-B-7623. Grass Hook and Lawn Trimmer. Has crucible steel cutting edges, finely tempered, properly shaped and balanced. Guaranteed to give perfect satisfaction. Price..... **25c**

GRASS HOOKS



4-C-7621. Grass Hooks. Extra high grade steel, properly tempered, polished edges. Fully warranted. Price **36c**

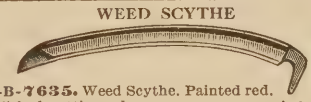
PATENT LOOP SCYTHE SNATHS

4-B-7639. Selected Seasoned Stock. Properly shaped, nicely finished and varnished. With patent loop and wrench. Price..... **$1.40**

BRUSH OR WEED SNATH

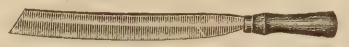
4-B-7627. Two Ring Brush or Weed Snath. Selected seasoned stock, nicely finished and varnished, With two loop fasteners. Price..... **$1.90**

WEED SCYTHE



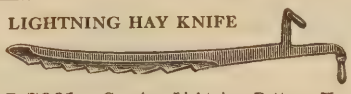
4-B-7635. Weed Scythe. Painted red. Polished cutting edge. Price..... **$1.25**

CLIPPER CORN KNIFE



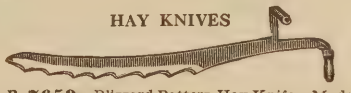
4-B-7655. Extra quality steel, carefully tempered and ground. Hardwood handle. Price..... **35c**

LIGHTNING HAY KNIFE



4-B-7661. Genuine Lightning Pattern Hay Knife. Made of the finest tool steel, hardened and tempered like a scythe and ground sharp. Price..... **$1.45**

HAY KNIVES

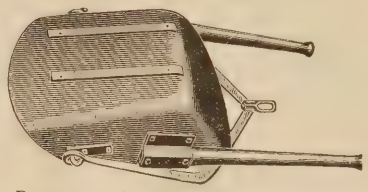


4-B-7659. Blizzard Pattern Hay Knife. Made of high grade tool steel, finely tempered. Price..... **$1.45**

STEEL GRASS SHEARS

4-C-7617. High grade forged steel blade. Malleable iron shanks. Fully warranted. Price **28c**

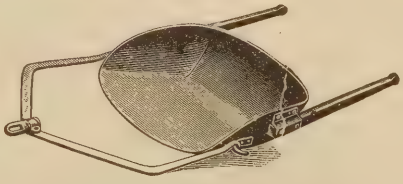
OHIO ROAD SCRAPER



Runners are ¼-inch steel put on with straight rivets. The bail, malleable swivel, also draw hooks and body, are of somewhat lighter material than used in our Premier Scrapers. The capacities are the same. The No. 1 weighs about 80 pounds: No. 2, about 70 pounds and No. 3 about 66 pounds. Shipped, Central Ohio.

	3	2	1
4-C-10111. Smooth bot...	$6.50	$6.80	$7.15
4-C-10113. Double run...	7.10	7.45	7.70

DRAG SCRAPERS



Made of 11 gauge high carbon steel. Have round back and curved bottom, reducing friction to a minimum. Have high sides, thus assuring the full capacity claimed.

	No. 1 7 cu. ft.	No. 2 5 cu. ft.	No. 3 3 cu. ft.
4-C-10105. Without runners.	$8.35	$8.00	$7.70
4-C-10107. With 2 runners..	9.00	8.70	8.30
4-C-10109. With flat plate...	9.65	9.35	9.05

BUSH HOOKS WITH HANDLES

4-B-7657. Bush Hooks. Made from high grade tempered tool steel. Strong and serviceable. Complete with handle. Price..... **$1.75**

Reliable Auto Accessories

Radiators for Ford Cars

Brass Core

$13.00

Latest pattern honeycomb radiator for Ford cars—same design as built by the Ford Motor Co. Large water capacity and cooling surface guaranteed to keep your engine cool under most severe conditions. The core is flexible, allowing for expansion in case of freezing—water thawing gradually, which prevents bursting. Al parts of core which come in contact with water are made of brass; radiator casing made of heavy wrought steel, finished in black Japan. Securely packed in wood box; weight 40 lbs.

4-B-1507. Radiator for Ford cars built from 1909 to 1916. Each..... **$13.00**

4-B-1508. Radiator for Ford cars 1917 and 1918 Models. Each..... **$13.00**

Harris Spark Plugs

Junior 40c

Giant 75c

STOP SPARK PLUG TROUBLES

After careful investigation and test of the most trying and severe kind, we discovered the perfect spark plug. The specially selected, carefully blended clay used in the porcelain cores offer greatest possible resistance to heat, vibration and oil. They cannot chip or crack. Will not leak or short circuit. Quickly and easily cleaned. Two types. Giant and Junior—five sizes in each type.

There's a Harris Spark Plug in stock for any Automobile, Truck, Motorcycle, Tractor or Gas Engine ever built!

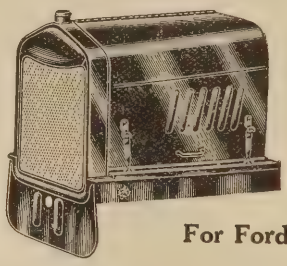
We guarantee "Harris" spark plugs indefinitely to give you best service under all conditions. We will replace free of charge, any "Harris" plug returned to us that fails to completely satisfy you.

4-B-1500—Junior Plugs, each..... **40c**

4-B-1505—Giant Plugs, each..... **75c**

Give size of plug and make of motor.

Combination Radiator Shield and Hood



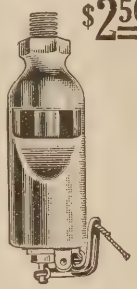
For Ford Cars

4-B-1506. Made especially to convert 1915 and 1916 Ford cars into the latest models, giving them a modern streamer line effect. The shield adds to the appearance, covering the springs and other unsightly parts. The radiator is equipped with the improved honeycomb core; practically indestructible; all parts coming in contact with water made of brass. Guaranteed to cool the engine. The hood shield and radiator shell or casing are made of heavy wrought steel, finished in black Japan; the honeycomb brass core in gray. Securely packed, weight 60 pounds. Price, complete..... **$20.00**

Best Auto Signal

THE "STARTLER"

$2.50



The startler signal for automobiles and trucks gives a sharp, clear warning. It is positive in action—prevents accidents. This splendid signal is the only vapor signal that acts when your machine is standing still and your engine running idle. Quickly and easily attached on any cylinder in place of a cup. Unusually well made and nicely finished. It is operated from a control cord which is run from the signal to the steering column. Especially valuable in traveling on country roads on account of its distinctive tone; so different from the average signal.

4-B-976. Automobile signal. Each..... **$2.50**

HIGH GRADE AUTO JACKS

$1.40

Guaranteed Strong and Durable

$1.75

4-B-977. A carefully designed jack for light weight cars quickly and easily adjusted to different heights by spinning the top gear. Only four working parts; self locking at any point; three sizes.

Capacity	Height Lowered	Height Raised	Price
2,000 lbs.	8 in.	12 in.	$1.40
2,000 lbs.	10 in.	16 in.	1.50
2,000 lbs.	12 in.	20 in.	1.75

4-B-971. Designed for speed. The crank mechanism on side gear does away with pumping when raising or lowering the rod. Strong and well made; nicely finished; three sizes.

Capacity	Height Lowered	Height Raised	Price
4,000 lbs.	8½ in.	14 in.	$1.75
4,000 lbs.	10½ in.	18 in.	2.10
6,000 lbs.	12 in.	20 in.	2.75

Grease Cup Wrench

Finely Made

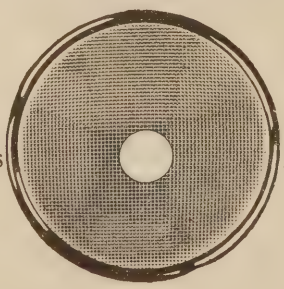
75c

4-B-1509. A simple inexpensive wrench that will prove to be the most handy article in your tool box; made of nickel-plated steel. Fits every auto grease cup made—all sizes and types. Needs no adjusting. With this wrench you can turn your grease cups easily and quickly without soiling your hands or clothes.

Price, each..... **75c**

Anti-Glare Auto Lenses

All Sizes

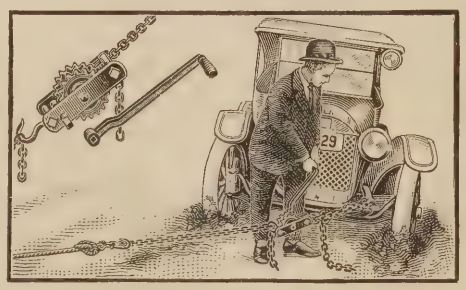


95c Pair

Flood the road ahead for 600 feet in front of your car with a strong but softened light, revealing everything on either side at a distance of 30 feet.

An extra fine lens with 2,000 prisms cut on the inner side with a "bull's eye" pointing down just below the center, shooting a clear ray of light downward. The outside surface is smooth—proof against dust, mud, rain and snow.

5-B-1511. Sale price (give exact diameter of your present lenses), per pair..... **95c**

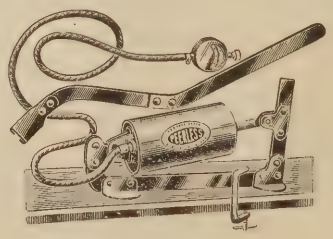


AUTO LIFTOUT

4-B-978. This simple device will prove to be the most necessary and important part of your equipment On the road and in the garage, it is dependable, quickly and easily adjusted. Will lift your car out of the deepest ruts. Offers a splendid garage hoist, enabling you to raise your car to any convenient height for working underneath. The car leverage afforded by the patented construction enables you to move or lift a car of any weight with little exertion. Furnished complete with 8-ft. pulling chain and 4-ft. anchor chain with hooks. Self locking.

Price..... **$20.00**

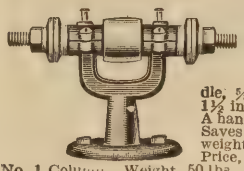
Auto Tire Pump



4-B-1510. Quick acting auto tire pump; can be attached to the running board of any machine. Durably constructed; guaranteed for the life of your car. Each pump is equipped with gauge, indicating the power pressure. Detachable handle; will fit in a small tool box. Nicely finished in red and black Japan, two coats baked on. Complete without gauge. Price, each..... **$4.75**

Two-Wheel Power Emery Grinders

No. 1 Two-Wheel Emery Grinder

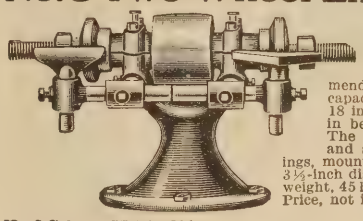


$4.50

16-C-587. This sturdy little machine runs two wheels. Recommended size, 6x1, maximum wheel capacity, 8x1. Has ⅝ inch steel spindle, ⅝ inch between flanges, pulley 1⅞ inch diameter, 1½ inch face. Just the thing for the small work shop. A handy little grinder that you will use constantly. Saves your time and lessens your work. Shipping weight, 15 pounds.
Price, not including stones.....**$4.50**

No. 1 Column. Weight, 50 lbs.....**$8.80**
6 Inch Wheel Guards, weight 9 lbs., per pair.....**2.00**

No. 3 Two-Wheel Emery Grinder



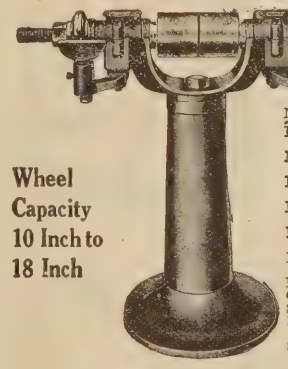
$15.30

16-C-589. Emery Grinder. Will run two wheels. Recommended size, 10x1½, maximum wheel capacity, 12x2. Has a steel spindle 18 inches long and 1⅛ inch diameter in bearings, 1 inch between flanges. The bearings are 3 inches long, and same style as engine-lathe bearings, mounted with brass oil cups. Pulley 3½-inch diameter, 2⅝-inch face. Shipping weight, 45 lbs.
Price, not including stones....**$15.30**

No. 3 Column, Weight 80 lbs.....**$14.75**
10 Inch Wheel Guards, weight 28 lbs., per pair.....**4.15**

Blacksmith and Garage Grinders, $30.60

These high grade Blacksmith and Garage Grinders, made in three sizes with wheel capacity of 10 to 18 inches. Strongly constructed; Babbitted long bearings; covered oil lubricators and longer in distance between wheels than average grinders of same capacity, making grinding of shares and irregular shaped castings very simple. Regularly furnished with tight and loose pulley, but single pulley furnished at same price when specified. Tool rests strong and adjustable. Largest size suitable for small foundry work.



Wheel Capacity 10 Inch to 18 Inch

SPECIFICATIONS

Machine No.	16-C-C5	16-C-I5	16-C-O5
Recommended Wheel Size...	10x2	14x2½	16x2½
Maximum Wheel Size...	12x2½	16x3	18x3
Length of Spindle.....	24"	32"	40"
Diam. of Spin'le in Bearing...	1⅛"	1⅜"	1⅝"
Diam. of Spin'le Between Col.	1"	1¼"	1¼"
Distance Between Wheels	17"	22"	29"
Hght. Floor to Center of Spin..	36"	30"	30"
Size of Pulleys..	3¾x3	4½x4	4½x4
Length of Bearings.....	4"	6"	8"
Ship. Wt. without Guards..	100 lbs.	150 lbs.	225 lbs.
Shipping Wt. of Guards....	28 lbs.	45 lbs.	55 lbs.
Price without Rests.....	$24.65	$32.75	$45.55
Price Extra for Rests.....	1.45	4.50	5.40
Price Extra for Guards.....	4.50	6.50	9.00
Price Complete.....	30.60	43.75	59.95

"Premier" Corundum Wheels

These wheels are made with the grain running from fine to coarse and of proper hardness to meet the requirements for any kind of grinding.

No. 16-C-2528

When ordering be sure and state what kind of material you wish to grind. Whether it is for steel or iron or for edge tools and if for wet or dry grinding. Always mention number, diameter and thickness of wheel and size of hole in center.

Diam. Ins.	Thickness, Inches ¼	⅜	½	⅝	¾	1	1¼	1½	1¾	2
2	0.22	0.25	0.31	0.33	0.35	0.42	0.46	0.51	0.57	0.63
3	.29	.34	.35	.42	.43	.50	.57	.63	.72	.83
4	.42	.43	.50	.53	.57	.66	.78	.85	.95	1.06
5	.51	.57	.65	.72	.78	.92	1.04	1.17	1.29	1.42
6	.65	.75	.82	.92	1.00	1.17	1.35	1.50	1.67	1.85
7	.78	.91	1.01	1.11	1.22	1.47	1.66	1.91	2.13	2.33
8	.92	1.16	1.20	1.35	1.50	1.77	2.05	2.35	2.64	2.92
10	1.22	1.47	1.67	1.91	2.11	2.55	2.98	3.47	3.97	4.47
12	1.57	1.77	2.05	2.33	2.65	3.27	3.90	4.47	5.06	5.67
14	....	....	2.64	3.06	3.50	4.33	5.17	6.02	6.87	7.72
16	....	....	....	....	4.48	5.60	6.73	7.88	9.01	10.15

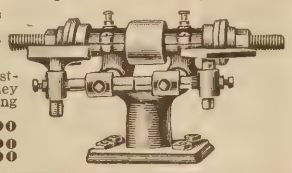
PREMIER SPECIAL SAW GUMMER-CORUNDUM WHEELS

These wheels are made especially for saw gumming purposes and are guaranteed not to burn or harden steel. They cut fast and leave the saw teeth free from burrs or rough edges.

When ordering be sure and state diameter, thickness of wheel and size of hole in center. 16-C-2659, Round Face; No. 16-C-2660, Bevel Face.

Diameter	Thickness, Inches ¼	⅜	½	¾
6 Inches.....	$0.75	$0.85	$0.90	$1.10
8 Inches.....	1.00	1.15	1.30	1.65
10 Inches.....	1.35	1.65	1.85	2.30
12 Inches.....	1.85	1.95	2.25	2.90
14 Inches.....	.....	.....	2.90	3.85

No. 2 Two-Wheel Emery Grinder, $9.00

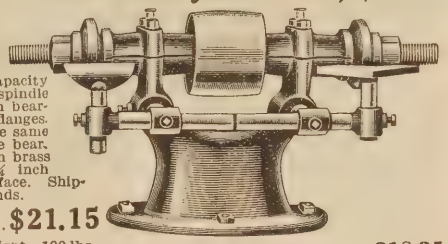


16-C-588. This machine will run two wheels. Recommended size, 8x1¼, maximum wheel capacity, 10x1½. Has a steel spindle ⅞ inch in bearing, ¾ inch between flanges. The bearings are 2 inches long, made with caps, and are adjustable. Mounted with brass oil cups, pulley 2⅜ inch diameter, 2 inch face. Shipping weight, 25 lbs. Price, not including stones.....**$9.00**

No. 2 Column, weight 60 lbs.....**9.90**
8-in. Wheel Guards, wt. 18 lbs., per pair **3.00**

No. 4 Two-Wheel Emery Grinder, $21.15

16-C-590

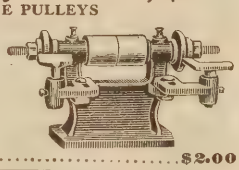


Emery Grinder. Will run two wheels. Recommended wheel size, 12x2; maximum wheel capacity 14x2. Has steel spindle 1⅛ inch diameter in bearings, 1 inch between flanges. The bearings are the same style as engine-lathe bearings. Mounted with brass oil cups, pulley 4¼ inch diameter, 3½ inch face. Shipping weight, 75 pounds.
Price, not including stones.....**$21.15**

No 4 Column, weight 100 lbs.....**$18.35**
12-inch Wheel Guards, weight 38 lbs., per pair.....**5.95**
14-inch Wheel Guards, weight 45 lbs., per pair.....**8.10**

No. 10 Two-Wheel Emery Grinder, $6.00

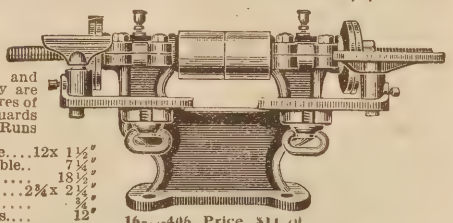
WITH TIGHT AND LOOSE PULLEYS



16-C-407. A durable grinder for light tool and general work will run two wheels. Recommended wheel size, 6x1, maximum wheel capacity, 7x1. Has steel spindle, 12⅜ inches long, pulley, 1⅞ diameter by 1½ inch face, ½ inch between flanges. Two rests can easily be adjusted or removed. Shipping weight, 20 lbs.
Price, not including stones.....**$6.00**
No. 10 Column, weight, 55 lbs.....**$9.90**
6 inch Wheel Guards, weight 9 lbs., per pair.....**$2.00**

No. 400 Two-Wheel Emery Grinder, $11.70

WITH TIGHT AND LOOSE PULLEYS



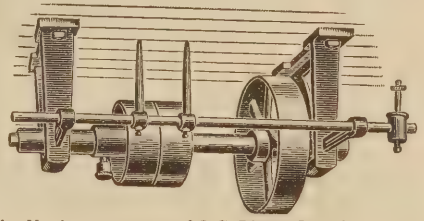
Long Babbitted bearings, easily adjustable tool rests and large wheel capacity are the distinctive features of this machine. Guards attach to head. Runs two wheels 10x1½.

Maximum wheel size....	12x 1½"
Height spindle to table..	7¼"
Length of spindle.....	18½"
Size of pulleys.....	2¾x 2¼"
Bore of wheel.....	¾"
Dist. between wheels....	12"
Shipping weight, 42 lbs.	

16-C-406. Price, $11.70
Not including stones

Column for No. 400, weight 85 lbs.....**$17.85**
Wheel Guards, weight 25 lbs., per pair.....**4.50**

Countershafts



These Countershafts are of superior construction and guaranteed to be in perfect alignment. They are furnished complete with drive pulley, tight and loose pulleys, hangers, shifting rod and belt shifter.

16-C-597. Size No. 1.
Size of Drive Pulley..... 8x2 inches
Size of Tight and Loose Pulleys.....4x2 inches
Length of Shaft..... 18 inches
Drop of Hanger..... 6 inches
Diameter of Shaft..... ⅞ inch
Shipping Weight ..... 40 lbs.
Price.....**$8.55**
Will fit our No. 1 Bench Emery Grinder.

16-C-598. Size No. 2.
Size of Drive Pulley.....9x2½ inches
Size of Tight and Loose Pulley.....4x2 inches
Length of Shaft..... 21 inches
Drop of Hanger..... 6 inches
Diameter of Shaft..... ⅞ inch
Shipping weight..... 55 lbs.
Price.....**$11.00**
Will fit our No. 2 Bench Emery Grinder.

16-C-599. Size No. 3.
Size of Drive Pulley.....10x3½ inches
Size of Tight and Loose Pulley..... 5x3 inches
Drop of Hanger..... 8 inches
Length of Shaft..... 24 inches
Diameter of Shaft..... 1 inch
Shipping Weight..... 60 lbs.
Price.....**$13.30**
Will fit our No. 3 Bench Emery Grinders.

16-C-600. Size No. 4.
Size of Drive Pulley.....12x4 inches
Size of Tight and Loose Pulley..... 5x3 inches
Drop of Hanger..... 8 inches
Length of Shaft..... 26 inches
Diameter of Shaft..... 1⅛ inches
Shipping Weight..... 70 lbs.
Price.....**$17.55**
Will fit our No. 4 Bench Emery Grinder.

Galvanized Feed Troughs

Painted Black

NON-TIP FEED TROUGHS

FOR HOGS, SHEEP AND CATTLE

HERE are the strongest and best feed troughs for all farm feeding. They are made of heavy galvanized iron (about 10 gauge)—no rough edges or sharp corners to harm the stock. The flared legs make tipping impossible. They will not rust, leak or cave in: Made with rounded bottoms easily cleaned—thoroughly sanitary. Cross bars and legs are made of heavy bar iron, securely riveted. Discard your disease breeding, insanitary wood troughs and replace them with these modern steel troughs now. Before shipment we paint them with a good quality of black paint which adds to their appearance and durability.

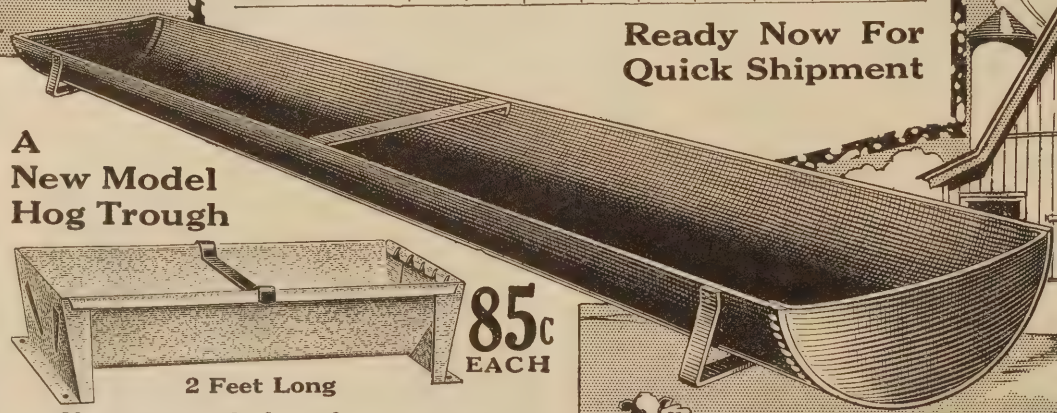
Buy Now At These Low Sale Prices

$1.95

PRICES

Catalogue Number	Width inches	Depth inches	Lgth. feet	Wt. lbs.	Cap. gals.	Price, each	Lots of 3 each	Lots of 6 each	Lots of 12 each
14-B-512	12	6	5	40	15	$1.95	$1.85	$1.75	$1.65
14-B-812	12	6	8	65	24	2.95	2.85	2.75	2.65
14-B-1012	12	6	10	80	30	3.95	3.85	3.75	3.65

Ready Now For Quick Shipment



A New Model Hog Trough

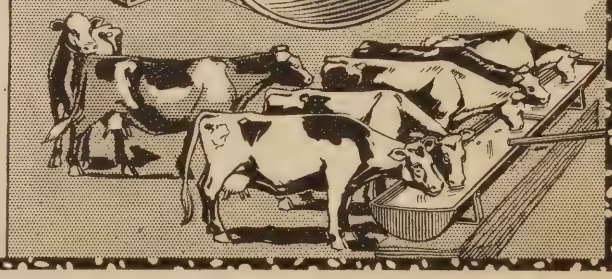
85c EACH

2 Feet Long

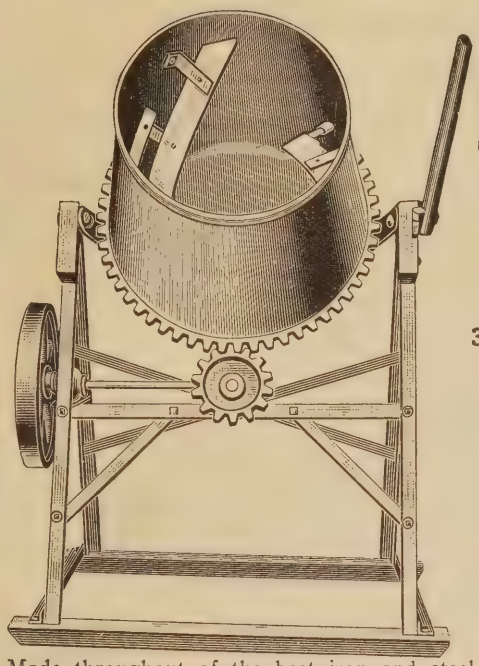
Nest compactly for safe economical shipment and space saving storage

14-B-1500. An ingeniously made patented hog or poultry trough with numerous splendid features. Made of heavily galvanized bright steel with trough body formed in one piece. Several troughs can be nested together for safe economical shipment and space saving storage when not in use. Leg end pieces attached quickly and securely in a few moments. No bolts—rivets or solder. No joints to open—no dirt catching crevices or sharp injurious corners. Braced by steel cross bar. One size, 2 feet long, weight about 10 lbs.

Each **85c**



CONCRETE MIXERS



$55

Capacity 3 to 3½ Cu. Ft.

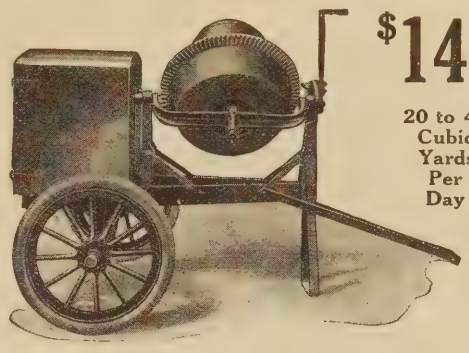
Mixes a Batch Every Minute

Use 1½ H. P. Engine

Made throughout of the best iron and steel with patented reverse unloading gear which forces a discharge by merely tipping the drum. Perfectly balanced and easy to work. Note the extreme simplicity of construction—the few number of parts. Everything easy to get at, nothing to get out of order to delay your work. Operates perfectly by hand or with a 1½ horse-power engine.

No. 8-C-364. Harris concrete mixer for hand or power drive; pulley size, 16x3 inches; width, overall, 3 feet 6 inches; height, overall, 4 feet 6 inches; shoveling height, 3 feet; capacity, 3 to 3½ cubic feet; power required, 1½ H. P.; weight, about 300 pounds.
Sale price, each..... **$55.00**

Harris Special Model Concrete Mixer Trailer



$145

20 to 40 Cubic Yards Per Day

SPECIFICATIONS

Truck—Wheels are 30"x3" regular Ford wheels; 30"x3" Pneumatic Tires of standard brand, with high grade tubes; tread is 4′ 6"; axle is 1 7/16" axle steel; heavy brackets thoroughly fastened to axle by steel U-bolts support frame on axle; wheel hubs are steel, fitted with standard Ford bearings.

Frame—Frame is made of 4" steel channel; heavy front and rear standards support the mixing drum, and all bearings are very broad and well supplied with oil cups; the hitch or tow-tongue is made of 1½x2" angle and is 4 feet long; the supporting frame or leg is made of ⅜"x2" bar and is well shaped and bolted to give the machine rigidity while operating on the job.

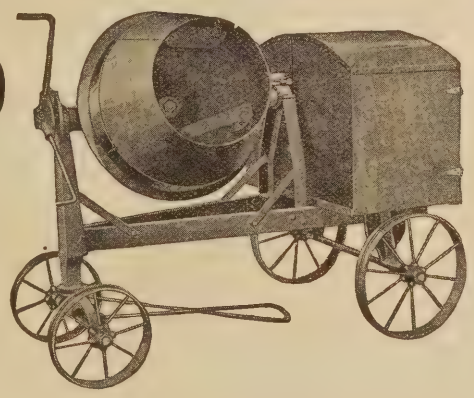
Drum—The mixing drum is 27" in diameter and 24" deep and has an 18" opening. It contains no moving parts to wear, break or cause trouble. The rotation of the drum, combined with its shape and with the aid of four heavy mixing plows or blades, imparts to the batch a rolling, tumbling, plowing, churning motion that insures a thorough mix in one minute's time.

No. 8-C-409. Length over-all, without tow tongue, 5′ 3"; width, 5′; height, 5′; weight, 1,000 lbs.
Price without Engine..... **$145.00**

Harris Model "4" Mixer

$110

Capacity 20 to 40 Cubic Yards Per Day



This machine has a capacity of four cubic feet of loose material per batch or from twenty to forty cubic yards of mixed concrete per day. The front wheels are 18" in diameter; rear wheels 24" in diameter; tires are 3" wide; tread in rear is 46" and in front 28"; axles are 1 5/16" steel and tongue is 44" long.

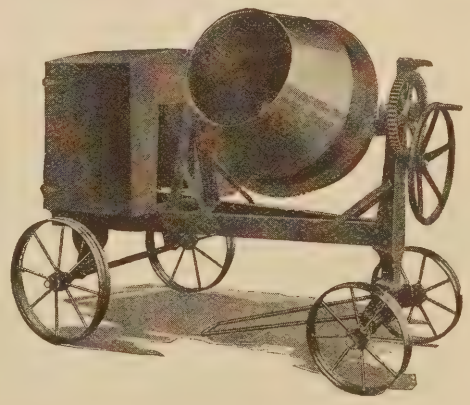
The mixing drum is 27" in diameter and 24" deep and has 18" opening. It contains no moving parts to wear, break or cause trouble. The rotation of the drum combined with its shape and the action of the four heavy mixing plows impart to the batch a rolling, tumbling, shifting, falling motion that insures a thorough mixing of the materials.

No. 8-C-411. Over-all dimensions are: length, 6′ 4"; width, 4′; height, 5′ 6"; weight, 1,100 pounds. Shoveling height, 3′ 4".
Price, without engine..... **$110.00**

Harris Model "6" Mixer

$149.50

Capacity 30 to 60 Cubic Yards Per Day



No. 8-C-413. Our Number "Six" mixer has a batch capacity of six cubic feet of loose material and a daily capacity of 30 to 60 cubic yards of mixed concrete.

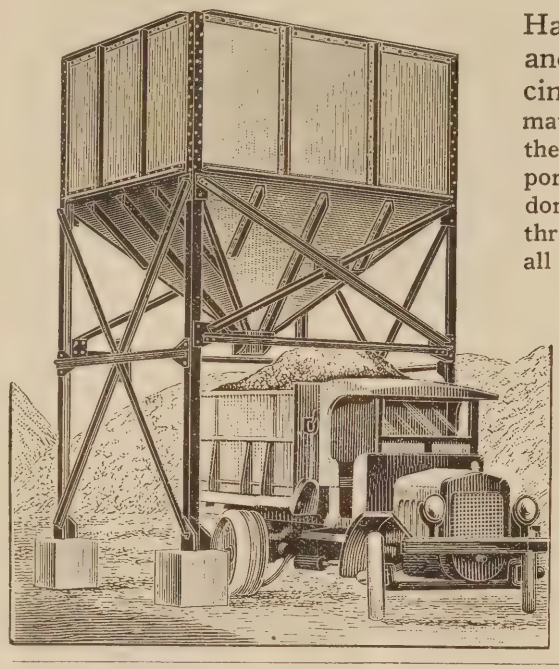
The front trucks are 18x3" with 28" tread; rear trucks are 24x3" with 48" tread; axles are 1 5/16" rolled steel; tongue is 44" long.

The mixing drum on this Number Six model is 31" in diameter by 28" deep and the opening is 21".

The length over-all is 7′; width, 4′ 4"; height, 6′; weight, 1,650 lbs.; shoveling height, 3′ 6".
Price, without engine..... **$149.00**

HARRIS STEEL BINS

The Modern Time and Material Saving Method of Storing



Harris Storage Yard Bins are designed to save time and material in storage and loading sand, gravel, coal, cinders, salt, stone, steel shavings and other building materials and industrial plant supplies. Being bolted together, they are portable and quickly set up or taken down and transported—road builders and general contractors strongly endorse them. They are the sure choice of leading concerns throughout the country when inspected in competition with all other makes.

Hopper Bottom Self-Clearing Bin

Capacity: 50 cubic yards. **Body:** 14′ wide by 14′ long by 8′ deep. **Height:** 21′ high over all. **Truck Clearance:** From the bottom of chute to the ground, 11′. Equipped with one (1) 18″ clam shell type, quick-acting gate. **PRICE**..... **$835.00**

Approximate Weight, 18,000 lbs.

Hopper Bottom Self-Clearing Bin

Capacity: 80 cubic yards. **Body:** 14′ wide by 14′ long by 13′ deep. **Height:** 26′ high over all. **Truck Clearance:** From the bottom of chute to the ground, 11′. Equipped with one (1) 18″ clam shell type, quick-acting gate. **PRICE**..... **$995.00**

Approximate Weight, 20,000 lbs.

PRICES ARE F. O. B. CARS CHICAGO

PLEASE NOTICE

They Are NOW in Use By:

UNION BRIDGE & CONSTRUCTION CO., Kansas City, Mo.

FRANCE STONE CO., Toledo, O.

FRANCE QUARRIES CO., Toledo, O.

ROAD & STREET MAINTENANCE CO., East Toledo, O.

TOLEDO BUILDERS SUPPLY CO., Toledo, O.

WISCONSIN LIME & CEMENT CO., Chicago, Ill.

W. D. CUMMER & SON, Cleveland, O.

DUNBAR & SULLIVAN DREDGING CO., Detroit, Mich.

THE CLEVELAND ELECTRIC ILLUMINATING CO., Cleveland, O.

THE HOWARD-COOPER CORP., Seattle, Wash.

WISCONSIN LAND & LUMBER CO., Hermansville, Mich.

FRANK L. COHEN, INC., Buffalo, N. Y.

LOMBARD BRICK & TILE CO., Lombard, Ill.

ATWOOD-DAVIS SAND CO., Beloit, Wis.

CONSUMERS COMPANY, Chicago, Ill.

MILLER & MILLER, LaPorte, Ind.

ERIE COUNTY COMMISSIONERS, Lancaster, N. Y.

C. F. HAGLIN & SONS CO., Minneapolis, Minn.

N. P. GUSTAFSON CO., Chicago, Ill.

CITY OF FLINT, Flint, Mich.

L. N. COPE & SON, Decatur, Ill.

SUNSET COAL CO., Madisonville, Ky.

ROCKWELL LIME CO., Chicago, Ill.

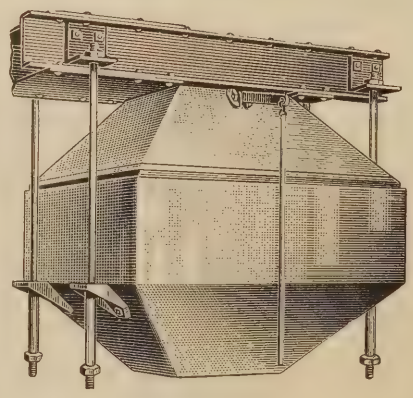
YONKERS BUILDERS SUPPLY CO., Yonkers, N. Y.

THE MARION STONE CO., Marion, O.

COPLAY CEMENT MFG. CO., Coplay, Pa.

POWERS-THOMPSON CONSTRUCTION CO., Lostant, Ill.

Batch Measuring STEEL HOPPERS

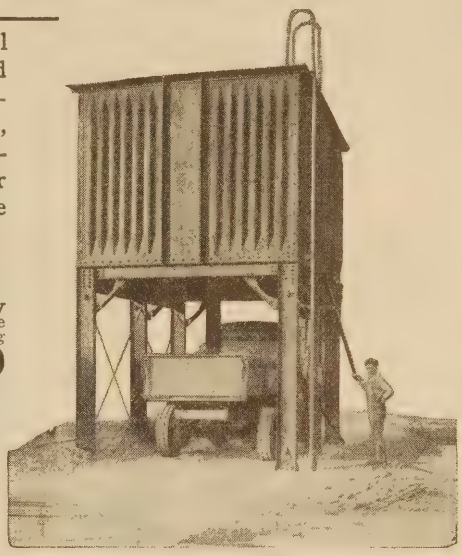


No. 25-C-1109. With one set of our hoppers one man can load a single batch truck in ten seconds. These hoppers give quick loading and accurate struck measurements which cannot vary. Made of three-sixteenths steel plate; all seams welded, frame made of channels; roller bearing sliding gates operated from the ground by independent levers adjustable to capacity from 10 to 28 cubic feet. Price, F. O. B. cars Chicago.....**$245.00**

FOR MATERIAL STORAGE

Designed for Storage of Sand, Gravel, Stone, Coal, Cinders, Etc.

Harris Steel Storage Bins feature a combination of best material and sturdy construction designed for correct material storage and quick loading or unloading of trucks and freight cars. The moment you add Harris Storage Bins to your material yard or plant, car dunnage will cease—every pound of material will be saved—truck and car loading costs will be reduced to a minimum and your storage yard will be in perfect order at all times. Users will be quick to tell you that they pay for themselves in a short time.



Type No. 1.—Flat Bottom Bin

No. 25-C-1000. Capacity: 70 cubic yards. Body: 13′ 8″ wide by 13′ 8″ long by 9′ 6″ deep. **Height:** 21′ over all. **Truck Clearance:** From the bottom of the chute to the ground, 11′. Equipped with four (4) 12″ x 12″ horizontal roller sliding gates operated by means of independent hand levers at the side.
PRICE **$795.00**

Approximate Weight, 16,000 lbs.

Type No. 2.—Flat Bottom Bin

Capacity: 70 cubic yards. Body: 12′ wide by 15′ 5″ long by 9′ 6″ deep. Height: 21′ over all. **Truck Clearance:** From the bottom of the chute to the ground 11′. Equipped with four (4) 12″ x 12″ horizontal roller sliding gates operated by means of independent hand levers at the side.
PRICE **$895.00**

Approximate Weight, 20,000 lbs.

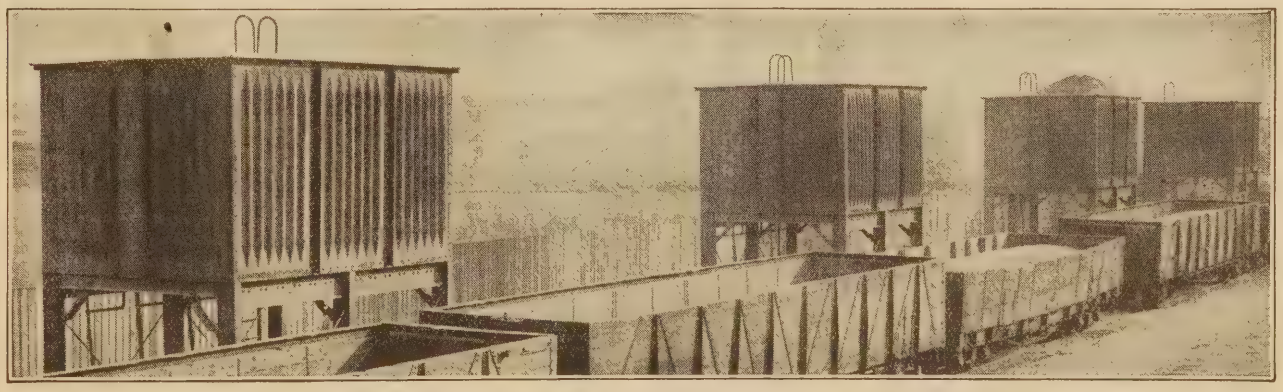
We are specialists in fabricating steel bins of the type illustrated above for the storage of sand, gravel, stone, coal, cinders or other materials.

We will build bins to your order to suit your special requirements. Write us what you need—tell us how much storage space you need and general conditions, and we will send you estimate.

The bins illustrated above are used in Chicago by a large material company for storing their stock of sand and gravel and for expediting loading of trucks, as illustrated at the bottom of this page.

At the low prices we are now able to make on steel bins of this character no one should overlook the fact that building of wood is no longer an economy. Wood when subjected to the weather, soon wears out and is worthless. Consider this carefully when you are going to do any construction work.

Our bins are completely fabricated in our shop and so designed that they readily bolt together—no skilled labor required.



A Battery of Four Bins Installed for Consumers Co., Chicago

The bins shown in the view above are the first which we installed in the Chicago yards of the Consumers Company. The name of this concern and numerous other highly successful companies head our list of satisfied users. The combined judgment of America's leading industries should quickly convince you that your next equipment purchase should allow for one or more of these efficient money saving bins in the near future.

Fireproof Safes for Home and Office

These high grade safes offer safety and service in the home or office. They are olive green enamel finish and the outer doors are equipped with Yale non-pickable combination locks. When ordered with inside doors, they have secure keylocks on inner doors, as well as combination on outer door. We also will print your name over the door of safe in shaded gold letters in a neat design, without extra charge, upon request. We list below the most popular sizes, but can furnish larger safes if needed. Send us your specifications. Order by lot number. Prices are F. O. B. cars. Factory near Chicago.

$34.00

No. 10 Safe—22" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
22"	14¾"	14"

INSIDE DIMENSIONS

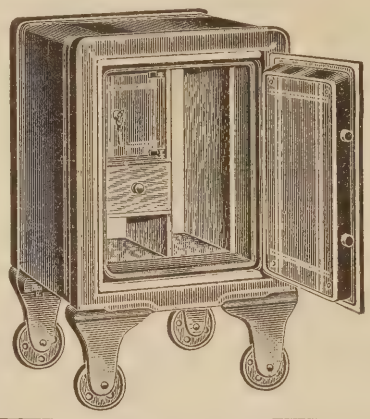
Height	Width	Depth
11⅞"	9"	9"

Cabinet Arrangement

One Book Space, 11⅞" high, 4" wide.
One Sub-Treasury, 5½" high, 4½" wide.
One Knob Drawer, 3" high, 4½" wide.
One Pigeon Hole, 2⅞" high, 4½" wide.

Approximate weight, 190 pounds.

No. 16-C-72. No. 10 Fireproof Safe..... **$34.00**



$39.75

No. 28 Safe—26" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
26"	16"	16½"

INSIDE DIMENSIONS

Height	Width	Depth
16"	11"	11"

Cabinet Arrangement

One Book Space, 16" high, 6" wide.
One Sub-Treasury, 5½" high, 4½" wide.
One Knob Drawer, 3" high, 4½" wide.
One Pigeon Hole, 6¾" high, 4½" wide.

Approximate weight, 280 pounds.

No. 16-C-73. No. 28 Fireproof Safe..... **$39.75**

$51.00

No. 35 Safe—30½" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
30½"	20"	20"

INSIDE DIMENSIONS

Height	Width	Depth
18⅝"	13⅞"	13"

Cabinet Arrangement

One Book Space, 18⅝" high, 9⅛" wide.
One Sub-Treasury, 5½" high, 4½" wide.
One Lock Drawer, 3" high, 4½" wide.
One Pigeon Hole, 3" high, 4½" wide.
One Pigeon Hole, 6⅛" high, 4½" wide.
This safe is made with or without inside door when ordered.

Approximate weight, 470 pounds.

No. 16-C-74. No. 35 Fireproof Safe..... **$51.00**

No. 16-C-75. No. 35 Fireproof Safe with inside door..... **$54.75**

$56.00

No. 45 Safe—33" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
33"	21½"	23"

INSIDE DIMENSIONS

Height	Width	Depth
20⅞"	15⅜"	16"

Cabinet Arrangement

One Book Space, 17½" high, 10½" wide.
One Book Space, 3" high, 10½" wide.
One Sub-Treasury, 5½" high, 4½" wide.
One Lock Drawer, 3" high, 4½" wide.
One Knob Door, 3" high, 4½" wide.
One Pigeon Hole, 3" high, 4½" wide.
One Pigeon Hole, 5" high, 4½" wide.
This safe is made with or without inside door when ordered.

Approximate weight, 580 pounds.

No. 16-C-76. No. 45 Fireproof Safe..... **$56.00**

No. 16-C-77. No. 45 Fireproof Safe with inside door..... **$60.50**

$73.75

No. 54 Safe—39½" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
39½"	24"	21½"

INSIDE DIMENSIONS

Height	Width	Depth
26½"	18"	15½"

Cabinet Arrangement

One Book Space, 19" high, 12¼" wide.
One Book Space, 7" high, 12¼" wide.
One Book Space, 9¾" high, 5⅜" wide.
One Sub-Treasury, 6⅜" high, 5⅜" wide.
One Lock Drawer, 3" high, 5⅜" wide.
One Knob Door, 3" high, 5⅜" wide.
One Pigeon Hole, 3" high, 5⅜" wide.
This safe is made with or without inside door when ordered.

Approximate weight, 650 pounds.

No. 16-C-78. No. 54 Fireproof Safe..... **$73.75**

No. 16-C-79. No. 54 Fireproof Safe with inside door..... **$79.50**

$77.50

No. 56 Safe—39½" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
39½"	24"	24½"

INSIDE DIMENSIONS

Height	Width	Depth
26½"	18"	18½"

Cabinet Arrangement

One Book Space, 19" high, 12¼" wide.
One Book Space, 7" high, 12¼" wide.
One Book Space, 9¾" high, 5⅜" wide.
One Sub-Treasury, 6⅜" high, 5⅜" wide.
One Lock Drawer, 3" high, 5⅜" wide.
One Knob Door, 3" high, 5⅜" wide.
One Pigeon Hole, 3" high, 5⅜" wide.
This safe is made with or without inside door when ordered.

Approximate weight, 700 pounds.

No. 16-C-80. No. 56 Fireproof Safe..... **$77.50**

No. 16-C-81. No. 56 Fireproof Safe with inside door..... **$83.25**

$89.50

No. 62 Safe—44" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
44"	26¾"	24"

INSIDE DIMENSIONS

Height	Width	Depth
30¼"	20¼"	17"

Cabinet Arrangement

Two Book Spaces, 15⅛" high, 7⅛" wide.
One Book Space, 16⅞" high, 5⅜" wide.
Four Book Spaces, 7¼" high, 7⅛" wide.
One Sub-Treasury, 6⅜" high, 5⅜" wide.
One Lock Drawer, 3" high, 5⅜" wide.
One Knob Drawer, 3" high, 5⅜" wide.
This safe made with or without inside door when ordered.

Approximate weight, 900 pounds.

No. 16-C-82. No. 62 Fireproof Safe..... **$89.50**

No. 16-C-85. No. 62 Fireproof Safe with inside door..... **$95.75**

$95.75

No. 64 Safe—47¾" High

SPECIFICATIONS

OUTSIDE DIMENSIONS

Height	Width	Depth
47¾"	28¾"	24"

INSIDE DIMENSIONS

Height	Width	Depth
32¾"	21¼"	17"

Cabinet Arrangement

Four Book Spaces, 16¼" high, 7⅝" wide.
One Book Space, 16¼" high, 5⅜" wide.
One Sub-Treasury, 6⅜" high, 5⅜" wide.
One Lock Drawer, 3" high, 5⅜" wide.
One Knob Door, 3" high, 5⅜" wide.
One Pigeon Hole, 2⅞" high, 5⅜" wide.
This safe made with or without inside door when ordered.

Approximate weight, 1100 pounds.

No. 16-C-83. No. 64 Fireproof Safe..... **$95.75**

No. 16-C-84. No. 64 Fireproof Safe with inside door **$102.00**

Improved Farm Implements

"All Purpose" Feed Grinder and Cob Crusher

16-C-7200, Made in two sizes, built entirely of steel and iron. Will grind ear corn, shelled corn, barley, rye, oats and any kind of grain separately or mixed. Burrs easily regulated for coarse or fine grinding, while machine is in motion. Cob breakers are bolted to sides and bottom of main frame; made of hard chilled iron, arranged in spiral fashion. All bearings fully babbitted. Burrs made of most durable metals for long service, being "Crowfoot Pattern."

No. 3 machine with two sets of 8-inch burrs, 35 lb. balance wheel, pulley size, 8x6 inches, capacity, 10 to 30 bushels per hour, requiring from 3 to 6 H. P., speed 300 to 700. Weight, 245 lbs. Price..... **$23.00**

Extra burrs, coarse or fine, per set **1.45**

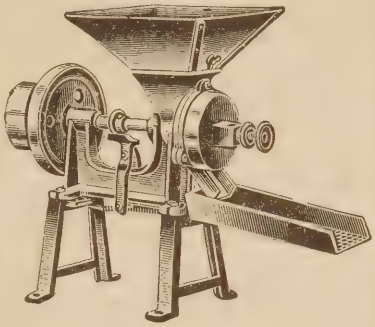
No. 14 Machine with two sets of 10-inch burrs, 55 lb. balance wheel, pulley size, 12x6 inches, capacity, 20 to 60 bushels per hour, requiring from 7 to 12 H. P., speed, 400 to 700. Weight, 355 lbs. Price..... **$32.25**

Extra burrs, coarse or fine, per set..... **1.75**

5 ft. double sacking elevator for either size **16.75**

10 ft. wagon box elevator with swing spout for either size **23.75**

"Up-To-Date" Meal Maker and Feed Grinder



Our "Up-To-Date" meal maker is a combined feed grinder for stock and meal and flour maker for family and table use. It is built for engines or motors from 1½ to 4 H.P. The burrs are 5½ inches diameter, ground perfectly true, and made of the same hard white iron as used in the larger mills. They can be adjusted for fine or coarse grinding while running. It is furnished with Bolting Screen, fitted with cast iron legs and balance wheel like illustration. The perforated bolting attachment is operated by the roller cam and bolts Corn Meal, Graham Flour, etc. Grinds shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.

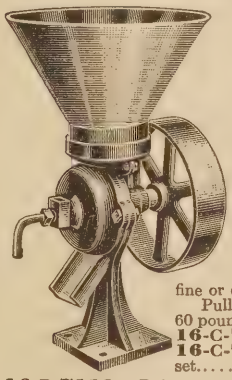
Pulley, 7 inch diameter, 4 inch face or 12 inch diameter, 3 inch face. Furnished with 2 sets of burrs. Capacity 5 to 22 bushels per hour at 150 to 400 r. p. m., depending upon H.P. used.

Shipping weight, about 100 lbs.

16-C-105. Improved meal maker complete with 2 sets 5½ inch burrs, bolting attachment, legs and balance wheel. Price, complete **$14.25**

Extra burrs, coarse or fine, per set, weight, 3 lbs..... **95c**

Harris Feed Mill



An excellent little mill for light power; taking up small space, just the machine you want where a limited amount of grinding is to be done. Built especially for engines from 1½ to 4 H. P. Capacity, 5 to 22 bushels per hour at 150 to 400 r. p. m., depending on H. P.

Will grind shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.

It is built entirely of iron and steel and every part is strong enough to resist six times the actual working strain.

The bearings are long and lined with a high grade babbitt and can be oiled while mill is running.

The burrs are 5½ inches in diameter, ground perfectly true. Can be adjusted for fine or coarse grinding while running.

Pulley, 12 inches diameter, 3-inch face, weight, 60 pounds. Furnished with 2 sets burrs.

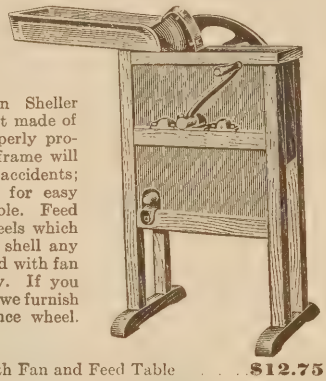
16-C-7117, Price, complete..... **$7.75**

16-C-7118, Extra Burrs, coarse or fine, per set..... **95c**

16-B-7119, Balance Wheel, 15 lbs..... **1.40**

Harris Leader Square Frame One Hole Corn Sheller

$12.75 Efficient and Durable



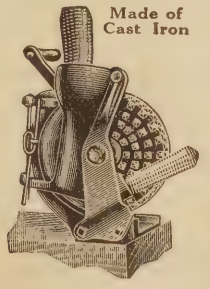
16-C-8067. An excellent Corn Sheller with strong hardwood frame. Shaft made of cold rolled steel and all parts properly proportioned. Gearing on outside of frame will not clog; protected by hood to avoid accidents; heavy balance wheel; geared low for easy operation. Good sized feed table. Feed spout placed over two shelling wheels which grip the ears firmly. Adjusted to shell any kind of grain perfectly. When fitted with fan this machine will clean corn nicely. If you intend to run your sheller by power, we furnish a clamp pulley to attach to balance wheel. Weight, 120 lbs.

16-C-8065. Price Complete with Fan and Feed Table **$12.75**

16-C-8066. Price, same Sheller with Round End instead of Square End, Complete with Fan and Feed Table..... **$13.50**

16-C-8067. Clamp Pulley (8x2) for either of above..... **1.00**

Harris Hand Corn Sheller

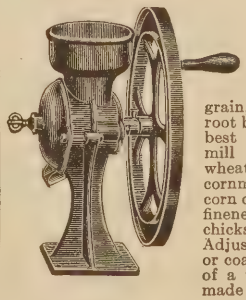


Handiest and Most complete Corn Sheller on the Market. This little cast iron corn sheller cannot be equaled for convenience and general utility. It is so simple that there is nothing about it to get out of order and so strong that it will not break.

It can be adjusted to shell large or small ears with equally good results. The adjusting shell is held against the ear of corn by a spring, the tension of which is easily and quickly adjusted. This shell forces the ear of corn against the shelling wheel and causes the rear to revolve so that the corn is shelled from the ear clean. The shelled corn is dropped into the box to which the sheller is fastened, and the ears are dropped outside.

16-C-8061, Weight, 15 lbs. Price..... **$1.10**

Harris Hand Grist Mill



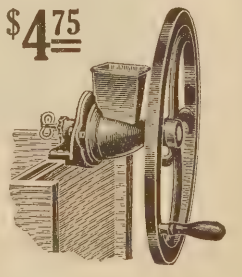
An improved hand power grinding mill, made in two sizes, for grinding all kinds of grain, dry bone, shells, root bark, salt, etc. The best all around family mill producing cracked wheat, graham flour, and cornmeal, cracked ground corn or other grain of any fineness for feeding young chicks or grown fowls. Adjustable to grind fine or coarse without the use of a wrench. Burrs are made of Steel Alloy Metal.

16-C-8037. No. 1 size, 13" high, 8¼" wide, 12" wheel, weight 22 lbs.
Price..... **$2.25**
Extra Burrs, per set..... **.55**

16-C-8039. No 2 size, 16" high, 9½" wide, 16" wheel, weight 37 lbs.
Price..... **$4.25**
Extra Burrs, per set..... **.75**

Harris Hand Bone Mill

$4.75



This little grinder reduces the cost of bone meal to mere labor.

Teeth are strong and coarse and will not grind corn for family use. Fresh bones should be allowed to become thoroughly dry before grinding. It will grind oyster shells, dried bones, gravel, old crockery, cracked corn, and other coarse feed for chickens. Can be adjusted to grind fine or coarse. The crusher is cone shaped, which crushes the product first, then it passes into the coarse grinding plates. This is a much better way than many other mills made with stationary burrs.

16-C-8021, Weight, 35 lbs. Price **$4.75**

Famous Watts Corn Shellers

A Few Reasons

Why You Too Should Own A WATTS—And NO OTHER

Because Watts Corn Shellers, in all sizes, are "The World's Best" machines; still you can buy them from us under most liberal terms, at big price reductions.

Because these shellers are the most simple machines of their kind ever built—about one-tenth the number of working parts as compared to other corn shellers—nothing to get out of order. No delays or waiting for repairs.

Because of their splendid construction and durability—no springs and nothing to wear out. Fewer bearings — less wearing parts.

Because they are the most economical corn shellers to operate. They give you greater capacity and require less power than any other corn sheller.

Because of their big capacity, they do your shelling in the least possible time and get all the corn.

Because of their big capacity, they do your shelling in the least possible time and get all the corn.

Because they will shell corn in any condition. Irregular sizes, smallest to largest size ears — hard or soft — green or dry. Watts Shellers always shell perfectly and never crack the kernels.

Because any Watts Sheller gets all the corn on the cobs and will pay you a profit on the corn you have not been getting.

Because they have been manufactured and distributed for many years and have always proved themselves to be the best and most efficient corn shellers on the market.

Because there is a size to meet every requirement featuring finest workmanship, greatest durability, utmost efficiency, biggest capacity, least power and lowest prices.

The World's Best Corn Shellers Now Offered at Prices So Low and on Terms So Reasonable You Should Not Delay a Moment Longer

Even though you have no immediate use for a corn sheller, we urge you to buy now. All machines in stock at the present time ready for immediate shipment are made from material purchased by the Watts Manufacturing Company before the big price advances of the past year.

Corn growers in every section of the country are getting the full benefits of this great sale. Wherever corn shellers are used, you will find these Watts Machines, the world's best, strongly represented—the choice of men who know.

And remember, this great sale of ours not only offers these famous machines at big price reductions, but you can now buy your Watts Sheller under most liberal terms of payment, as fully outlined on the pages which follow.

30 Days' Free Trial

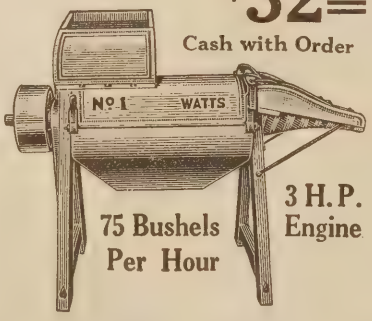
Whether you send us cash in full with your order, deposit the money with your banker or buy your corn sheller on time in three payments, we want you to distinctly understand that your purchase is made under our liberal 30-day Free Trial. This will give you sufficient time to test and use the machine on your own work and convince yourself of the splendid purchase you have made.

Liberal Guarantee

We insist that you be satisfied in every way with your purchase of any Watts Corn Shelling Outfit before we will consider the transaction closed. If you do not find the corn sheller sent you to be exactly as pictured and described in the pages of this book—or if for any reason whatsoever you are not satisfied, your money, including all transportation charges, will be promptly returned without question or quibble.

$32.50

Cash with Order



This is the smallest of the Watts Corn Sheller line. Recommended for shelling Feed Corn.

Watts No. 1 Corn Sheller

This sturdy little machine is just the size for the man wishing to shell only enough corn for his own needs. It has a capacity of 75 bushels an hour and can be operated to best advantage with a 3 H. P. engine.

The Ears Do the Shelling in Watts Shellers

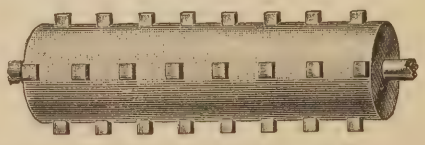
A heavy cast iron cylinder, with lugs set in staggered rows, serves to keep the ears in motion. These lugs are set in spiral fashion so as to carry the cobs from one end of the shelling jacket to the other.

The No. 1 Watts Corn Sheller has proved to be very popular among stock feeders and farmers with small power. It shells the corn clean from the cob. When so desired, the bran and soft tips of the cobs can be removed with the corn. Many feeders are replacing their cob crushers with a Watts No. 1 Sheller. This machine will shell ears of any size, in any condition, if clean husked.

36-C-900. Watts No. 1 Sheller, capacity 50 to 75 bushels per hour, length 3 feet 7 inches, width 3 feet, height 3 feet 9 inches, speed, 800 R. P. M., equipped with 8x4 inch drive pulley. Weight 180 pounds.
Price, cash after 30 days..... **$33.50**

An Important, Exclusive Feature of Watts Construction

The heavy cast iron cylinder, illustrated at the right, is what does the work in the Watts No. 1 and No. 10 Shellers. It is mounted on a heavy steel shaft running in babbitted bearings. The lugs serve to keep the ears in motion, and being set on the cylinder in spiral fashion, carrying the cobs from one end to the other, the Watts Sheller cleans the cob without cracking the kernels.



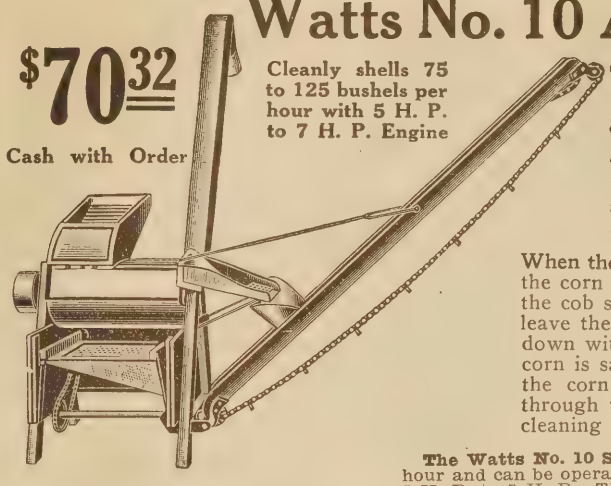
At Big Price Reductions!

Watts No. 10 All Metal Corn Sheller

$70.32

Cash with Order

Cleanly shells 75 to 125 bushels per hour with 5 H. P. to 7 H. P. Engine



To take Care of Your Own Needs and Those of a Few Neighbors

This machine is constructed along the same lines as the Watts No. 1 Machine, except that it has a larger capacity and is equipped with a cob stacker and grain elevator. It shells, cleans and loads all the corn and stacks the cobs.

When the shelled corn leaves the shelling jacket, the separation of the corn and cob takes place instantly. The cobs are elevated by the cob stacker. Any corn which remains on the cobs after they leave the cylinder is removed by the oscillating sieve and drops down with the other corn on the cleaning sieve. In this way the corn is saved which is usually thrown out with the cobs. When the corn drops down through the sieve, it is spouted upward through the elevator into your wagon thoroughly cleaned by the cleaning fan.

The above illustration shows a Watts No. 10 Corn Sheller. It is 3 ft. long, 3 ft. wide, 4 ft. high. It is furnished complete with 8 ft. corn elevator and 10 ft. cob stacker. Lagged drive pulley 8 in. diameter, 6 in. face, speed 800 R. P. M. Shipping weight, complete as illustrated, 500 pounds.

The Watts No. 10 Shelling Outfit has a capacity of from 75 to 125 bushels per hour and can be operated with utmost efficiency from any engine developing from 5 H. P. to 7 H. P. This machine and all other sizes of Watts Shellers are sold through either of three plans, which are described in detail at the foot of this page. And remember that, regardless of which plan of payment you choose, you are under no obligations to keep the machine if after 30 days you find that it does not do every bit as much as we claim for it.

36-C-901. Watts No. 10 Corn Shelling Outfit, with cleaning system, cob stacker and grain elevator, complete; cash after 30 days..... **$72.50**

Watts No. 10 All Metal Corn Sheller

Complete With Automatic Feeder

This machine is identical with the No. 10 Sheller, but in addition it is equipped with an automatic feeder.

An automatic feeder is a very valuable asset to a corn shelling outfit in that it keeps the shelling chamber filled to just the right capacity to insure the greatest output of shelled corn at all times. It saves labor, time and corn.

The Watts No. 10 Corn Sheller with automatic feeder is just the outfit for the man who wishes to do all of his own shelling and in addition do some shelling for his neighbors.

This outfit is backed by the same liberal guarantee and is sold under the same terms that have made all sizes of Watts Shellers so popular among corn feeders everywhere. The 30-day free trial offer also applies to this outfit.

The difference in sale prices on this machine complete with automatic feeder and the Watts No. 10 without the feeder is but a matter of a few dollars that will be quickly saved in time, labor and corn.

36-C-902. Watts No. 10 all metal Corn Shelling Outfit, complete with an automatic feeder, cleaning system, cob stacker and grain elevator.
Price, cash after 30 days..... **$92.50**

$89.72

Cash With Order

Capacity 75 to 125 Bushels Per Hour with 5 H. P. to 7 H. P. Engine

Cash With Order

Plan No. 1 By sending cash in full with your order, you will be allowed a discount of 3 per cent from the sale price mentioned at the end of the descriptive matter with each machine.

Cash After 30 Days

Plan No. 2 If you wish to examine and use the corn sheller for 30 days, send us a letter from your banker stating that the full sale price has been deposited with him, and will be sent to us when you are fully satisfied.

On Time 3-Payments

Plan No. 3 An extra charge of $2.50, on either the No. 1 or No. 10 is necessary under this plan. Send one-third of the amount with your order and blanks will be sent for your signature for balance to be paid one-third in two months and one-third in four months.

The World's Best Cream Separator

With All Latest Improvements!

$49.00

Buys the World's Best Cream Separator

3% Cash Discount

Also Sold on Easy Time Payments

Triple Tin Plated Anti-Splash Supply Tank

Speed Indicator Insures Proper Speed at All Times

EASIEST
To Oil
To Clean
To Turn
To Own

Harris Cream Getter No. 3
Capacity 375 lbs. Per Hour

Harris Cream Getter No. 3
Capacity 375 lbs. Per Hour

"Harris Cream Getter"

The Cream Separator with the Wonderful Record

You can buy this Separator now on its record for complete satisfaction. Never have we handled an article which has made such a wonderful record. We have shipped them in all sizes, all seasons of the year to all parts of the country. "Cream Getters" have met every farm test and have been found as represented.

This is the latest model produced by expert Separator builders in one of the finest, best equipped, and most modern factories in the world.

Easiest to Handle

Only one tool is required in the daily handling of the Cream Getter, and that is the spanner part of the combination wrench. All other parts are assembled by hand. Lubricated by an oil splash system which never fails or goes wrong.

Exclusive Patented Improvements

The most important exclusive improvement, and one that makes the Harris Cream Getter stand apart from all other separators is the patented equal milk distributor. This is a simple little sleeve placed in the very "heart" of the machine. It distributes equal portions of whole milk to all parts of the bowl, thereby insuring quick, and clean skimming.

In the splendid construction of the Harris Cream Getter is also embodied the patented safety clutch, straight faced worm gear, patented neck bearing spring. All shafts, bearings and parts subject to wear are made of the very best material obtainable for their purpose, thereby insuring long life and easy operation.

It is equipped with an anti-splash supply tank, speed indicator and metal bushed handle. All parts coming in contact with the milk are triple tin plated.

The frame castings are smoothly ground and heavily coated with hard, glossy navy blue enamel, baked on; artistically striped with red and gold.

With our extremely low prices and liberal terms of payment you cannot afford to be without the Harris Cream Getter another day.

Unlimited Guarantee!

We guarantee the Harris Cream Getter Cream Separator to be the best you can buy regardless of name, price or make.

We guarantee that if, after you get the Cream Getter, within reasonable time you find you can get any other make at any price which is better according to capacity, we will give you return shipping instructions and refund all of the money you have paid us on the Cream Getter, plus freight charges.

We guarantee the Separator against defects in material and workmanship as long as it lasts and that we will supply repair parts should any ever be needed.

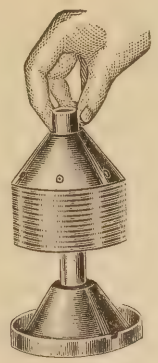
Most Liberal Trial

Regardless of whether you send cash in full with order or buy your machine on easy time payments, your Harris Cream Getter will be sent you subject to trial for any reasonable time.

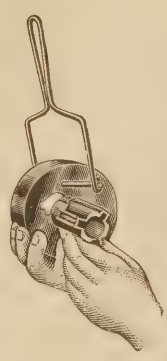
This most liberal of all Trial Offers must convince you, beyond all question of doubt, that any Harris Cream Getter Cream Separator is all that we claim for it. This will further prove to you that these machines are not merely built to do the work for a limited time of a short trial period, but will give you the service and satisfaction you have a right to expect for many years.

-and the Greatest Offers Ever Made!

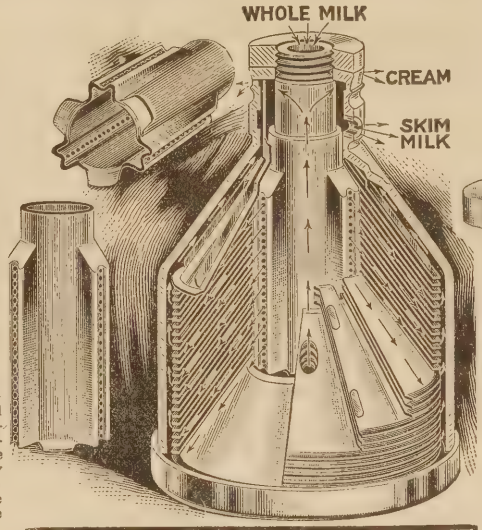
Exclusive Patented Features Everywhere!



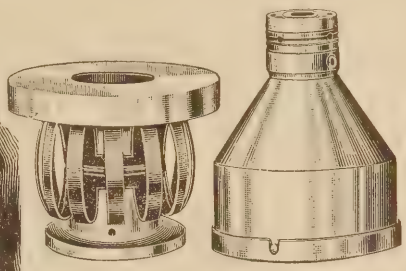
The discs and distributing sleeve are handled as one single piece. By lifting the discs and sleeve from the bowl, every surface coming in contact with the milk is fully exposed and easily cleaned.



The above illustration shows the method of inserting the patented equal milk distributing sleeve in the discs. It is simply slipped into place so that all discs can be handled as a single unit.



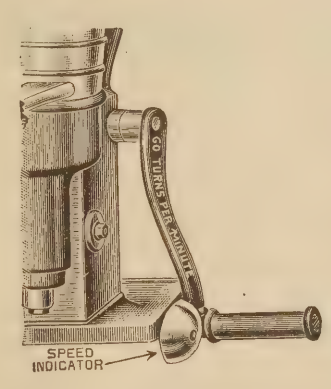
These Two Parts of the Harris "Cream Getter" Machines Are Carefully Made and Far in Advance of Any Other Construction.



After the machine is started, this Patented Elliptical Neck Bearing Spring automatically regulates the bowl to rotate on a positive center. It allows the bowl freedom of motion without wear to any surface.

Detachable Sanitary Bowl Easily Lifted Off of the Spindle for Washing. The inside of the bowl is as easily cleaned as the inside of a tea-cup, being covered with three coats of tin and smoothly finished.

Alarm Bell Speed Indicator

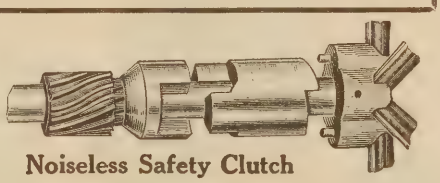


It is important and very convenient to know when your machine is running at just the right speed to get maximum results from your Cream Separator. This simple speed indicator bell attached to the handle of all "Harris Cream Getter" Separators will promptly remind the operator when the machine is not running at the correct speed. This attachment, like all other important improvements, is exclusive with "Harris Cream Getter" Machines.

The Exclusive Patented Equal Milk Distributor

An ingenious device that sets the Harris Cream Getter apart from all other separators on the market today. It is placed in the "heart" of the machine and distributes the whole milk to all parts of the bowl, serving all discs equally and efficiently. The same capacity is now maintained with one-fourth less discs than are used in old style bowls. It prevents the loss of cream and does the work more quickly and easily and insures clean skimming.

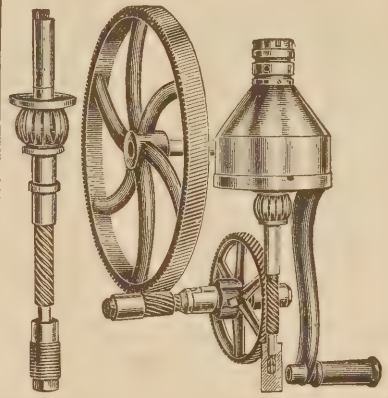
The right hand portion of the above cut is a phantom view of the bowl and illustrates importance of the Exclusive Patented Equal Milk Distributor.



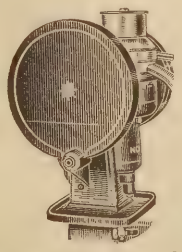
Noiseless Safety Clutch

Prevents any possibility of injury to the gearing; positive and automatic in action. Made of finest steel, unbreakable and perfect in operation. Illustration shows the clutch disengaged as when the driving gear is stopped and the bowl continues to spin without further work from the operator.

The Improved Gearing in the Cream "Getter"



Showing the simple perfected gearing and clutch. The large gear and pinion are cut with helical teeth, thus guaranteeing quiet running, and ease of operation. The worm wheel is of the best grade of phosphor bronze, cut with helical, straight-faced teeth, insuring the longest possible life by being able to adjust the wheel to different positions after years of service. The pinion and entire clutch is made of the very best grade of steel, properly hardened. The spindle is of the highest grade of tool steel and ground absolutely to size.

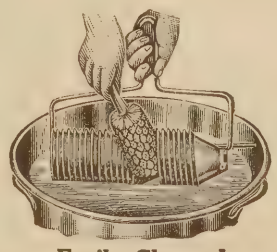


Enclosed Safety Gear

The large Gear is completely enclosed, eliminating accidents and preventing dust and dirt from getting into the gearing. The Oil Drip Shelf with Drain Faucet prevents oil or spilled milk dripping on floor.

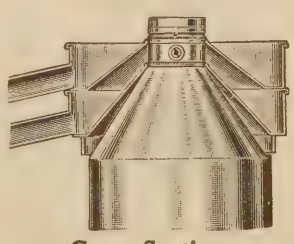
Glass Oil Gauge

No dirt-clogged oil holes to deal with. All parts are perfectly lubricated, receiving a steady, economical supply of oil from the centrally located oil supply. Note the glass oil gauge which indicates the oil supply at all times.



Easily Cleaned

A convenient non-rusting disc holder is sent with all machines. This holder allows the disc to come apart and makes it easy to get between them for thorough cleaning.



Cross Section

Here is a cross section of the cream and milk spouts as they are placed above the bowl. A feature of Harris Cream Getter Separators is found in the triple tin plated parts.

The Easiest Cream Separator to Own

Most Liberal Terms and Low Prices!!

Plan No. 1

THREE PAYMENTS — One-third with your order and balance in two long-time payments.

Send us one-third of the price with your order, the balance to be paid in two equal payments—one-third in 2 months; balance in 4 months. Under this plan we are forced to make a slight additional charge of $2.50 for exchange and bookkeeping.

Plan No. 2

Purchase price to be deposited with your banker for 30 days.

Send with your order a letter from your banker that the purchase price is deposited with him to be sent to us after you have convinced yourself. 30 days should give you sufficient time to make up your mind.

Guaranteed 1924 Prices

You can't buy a Separator of similar design and weight and approximate quality as cheaply as the "Cream Getter." We can afford to sell them at these low prices because the record each "Cream Getter" makes will cause sales of other Separators. Prices include all accessories F. O. B. Lancaster, Pa., Chicago, or St. Paul, Minn., Warehouses. See next page for Power Pulley equipment.

Order Number	Size Number	Capacity Per Hour Pounds	Shipping Weight Pounds	Introductory Prices
*27-B-100	1	175	80	$31.50
*27-B-200	2	250	85	35.00
27-B-300	3	375	170	49.00
27-B-500	5	500	175	54.00
27-B-700	7	750	225	62.00
27-B-900	9	950	230	68.00

3 per cent, Discount for Cash in Full with Order.
Equipped with Multiple-Disc Clutch Pulley, $8.00 extra.
Equipped with Electric Motor, $55.00 extra.
Be sure to state Voltage, and whether Alternating or Direct Current. If Alternating, also Phase and Cycle.
*Indicates Table Size.

Your Old Cream Separator Taken as Part Payment

Here is your one big opportunity to rid yourself of that time, labor and cream wasting machine you are now using. We will take your old separator off your hands and accept it as part payment, allowing you a liberal amount toward the purchase of your Harris "Cream Getter." Be sure to mention the make, capacity and condition of your old machine and the size of the Harris "Cream Getter" which seems to meet your requirements. You need not send us your old separator until you try your new Harris "Cream Getter."

Plan No. 3

Cash in full. This secures for you an additional saving of 3%.

Everyone knows that a better price can be made if a full remittance is made with the order. We allow a discount of 3% for remittance in full before shipment. Get the benefit of this extra saving. You are protected by our unlimited guarantee.

Plan No. 4

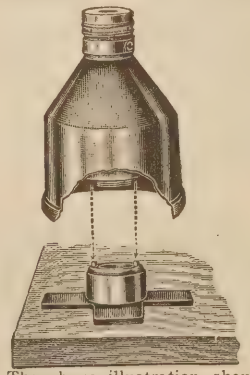
Name your own terms if for any reason the above do not suit you.

We cannot judge the circumstances of all who need "Cream Getters." If other plans do not suit, send your order with a first payment of what you can spare; then state how you wish to pay the balance of Plan No. 1 price.

Table Size Harris Cream Getter Separators!

With each Harris Cream Getter Separator we furnish one quart of the finest lubricating oil in a can with convenient spout. This oil is also sold separately.

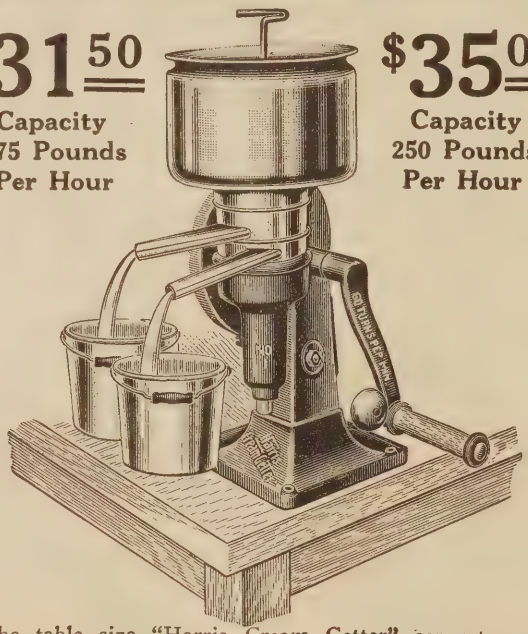
9-B-10819. Guaranteed Separator oil.
Quart..... **$0.35**
Gallon..... **1.25**



The above illustration shows the bowl vise which is furnished with each machine. This vise is securely attached to your table top, its purpose being to grip the bowl when taking it apart. No matter how tight the nut is fastened, it is a simple and easy task to loosen it with the aid of this vise.

$31.50
Capacity 175 Pounds Per Hour

$35.00
Capacity 250 Pounds Per Hour



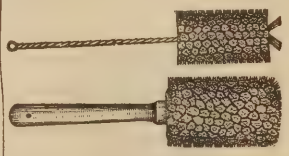
The table size "Harris Cream Getter" separators are intended for the dairy where not more than three cows are being milked. These little machines do splendid work, getting all of the cream—the only requisite being that they be attached to a solid, rigid table.

The same exclusive patented features found in the larger sizes will be found in these machines. The same high grade tinware, triple coated to prevent corroding—the anti-splash tank—the exclusive patented equal milk distributor—the gearing and general high grade construction of "Harris Cream Getter" machines has been carefully carried out in these two small sizes.

See the table above for numbers, sizes, capacity and prices of these machines. You can own either of them under our liberal terms.

A spirit level is furnished with each separator. Place it several directions across where the skim milk cover fits. It is necessary that your separator be placed upon a solid, level foundation to secure greatest efficiency and the perfect work which any "Harris Cream Getter" separator will give you.

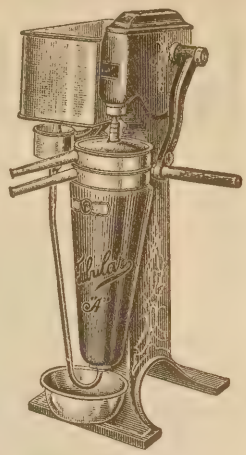
A combination machine wrench, power wrench and screw driver is furnished with each machine. This is the only tool you require to take the different sections of the machine apart and perfectly adjust it. A high grade tool made of best drop forged, properly tempered steel.



Two cleaning brushes of proper length and size are furnished with each machine, which enables you to keep your separator spotlessly clean at all times. These brushes are made of select materials and will last years with ordinary care and usage. To facilitate the handling of the discs, a disc holder of sufficient length is furnished to permit you to spread the discs apart so all surfaces can be thoroughly cleaned.

We Have a Few Sharples Tubular "A" Separators Left from Our Gigantic Sale Just Closing!

900 lbs. Per Hour Brand New with Harris Clutch Pulley Now Only $60.00



Many thousands of our customers recommend the Sharples Tubular "A" Cream Separators to be efficient, easy to clean, easy to oil, and easy to run. Mr. P. M. Sharples, President of the Sharples Separator Company, built the first Cream Separator manufactured in America. The Sharples Separator Company have been in operation for over 35 years and are well known for the high quality of their workmanship.

The Excellent Principle of Construction and Operation

The tubular bowl has only three parts and is 2¾ inches in diameter. This rotates at a high speed, accomplishing complete separation with ease. All gears are inclosed in the top section of the frame and are lubricated by an oil-splash system. There are no oil holes or oil cups to watch or fill up with dust. These gears can all be plainly seen by simply lifting off the gear cover. Anyone can understand how to operate, regulate and repair the separator if necessary from information given in the instruction book.

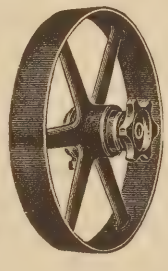
Low Quick Sale Prices

27-B-90. Shipping weight, 314 lbs., with 14-inch Clutch Pulley.....**$60.00** NET
27-B-91. Shipping weight, 300 lbs., without Pulley..... **55.00** NET

Friction Clutch Pulleys for Any Make of Separator

SPECIFY MAKE, MODEL, NUMBER, CAPACITY AND DIAMETER OF CRANK SHAFT

Harris Cone Clutch Pulley $4.95

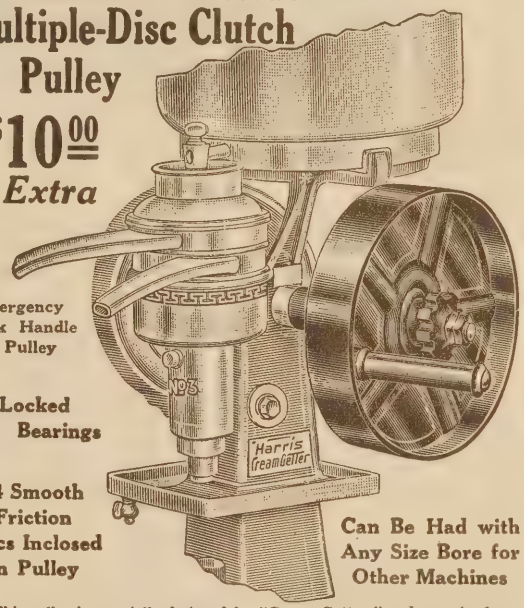


This is an exceptionally well designed and constructed pulley. Its simplicity accounts for the very moderate price. Is very easy to place on the separator and simple to operate. By gradually tightening the hand nut, will bring the separator up to normal speed without jerks or undue strain. 14 inches in diameter, 2¼ inch crown face. Shipped from Chicago. Weight 15 lbs.

No. **27-B-125**.....**$4.95**
No. **27-B-126.** 4-inch extension hub..... **5.50**

Multiple-Disc Clutch Pulley

$10.00 *Extra*



Emergency Crank Handle on Pulley

Locked Ball Bearings

14 Smooth Friction Discs Inclosed In Pulley

Can Be Had with Any Size Bore for Other Machines

This pulley is especially designed for "Cream Getters" and no pains have been spared to make it absolutely perfect. Best to be had for any make of separator. It has 14 small discs, each alternate one with an extension which engages a lug on the inside of the sleeve. When hand nut is loosened, these will slip without turning shaft. Slowly tightening the hand nut will gradually bring the separator up to skimming speed, without strain on the gearing. Extra well made and finished with hub extended 5⅞ in. Has locked-in ball bearings. Finished to match "Cream Getters." Crank handle to be attached if power fails. 12 inches in diameter. 2-inch face. Weight 24 lbs.
No. **27-B-130.** Specify size of bore. Pulley only.....**$10.00**

The Harris Governor Pulley and Line Shaft Sets

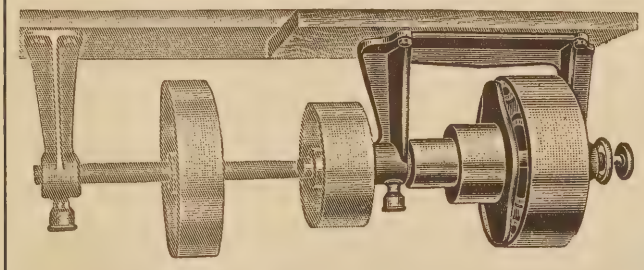


Illustration shows the Harris Governor Pulley connected with line shaft which we designate as line shaft set No. 3. The Governor Pulley as sold separately is shown by the heavy shaded portion to the right.

This Governor pulley will prolong the life of a Separator or other machine. It operates between the power and the machine, regulating speed, absorbing all jerks and irregularities of power, thus saving wear and damage. Made of the best materials obtainable. Nothing to wear out in years of operation. Length, 15 in.; large pulley, 9 in., with 3-in. face; middle pulley, 4 in. and smallest pulley 2½ in., with 2¼-in. face. Length of bearing, 6½ in., weight, 40 lbs. Can be attached to side wall or stand. SHIPPED FROM FACTORY IN WISCONSIN.

No. 27-B-101. Price of Governor pulley without wood base.....**$9.75**

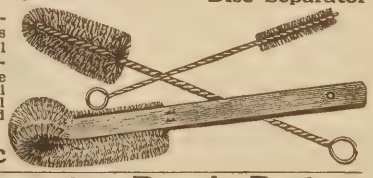
No. 27-B-102. With extension shaft and extra pulley, 6 in. by 2½ in...**$11.75**

No. 27-B-103. As illustrated set No. 3. Two extra pulleys, 6 in. by 2½ in., and 8 in. by 2½ in., with ⅞ in. line shaft, mounted on wood base. Length, 4 feet, 4 inches. Weight, 70 lbs.....**$19.50**

No. 27-B-104. Same as above except provided with two 6 in. by 2½ in. pulleys and one 8 in. by 2½ in. pulley on 1 3/16 in. shaft. Mounted complete on wood base. Length over all 8 feet 4 inches. Weight about 110 pounds.....**$25.50**

No. 27-B-105. Same as Outfit No. 104 but provided for still larger range of duty, in addition to the Standard Harris Governor Pulley, No. 5 is provided with two 6 in. by 2½ in. pulleys, one 4 in. by 2½ in., one 8 in. by 2½ in. and one 10 in. by 3½ in., on 1 3/16 in. shaft, all with extra hangers and mounted on substantial wood base. Length over all 12 feet 4 inches. Weight about 160 pounds.....**$36.25**

Brush Set 35 Cents For Any Disc Separator



This set comes in a cardboard carton and contains one wood handle bowl brush for cleaning separator bowl and discs, one spout brush and one small brush for cleaning bowl necks, tubes, etc. Good quality bristles.

No. **27-B-128.** weight 5 oz.....**35c**

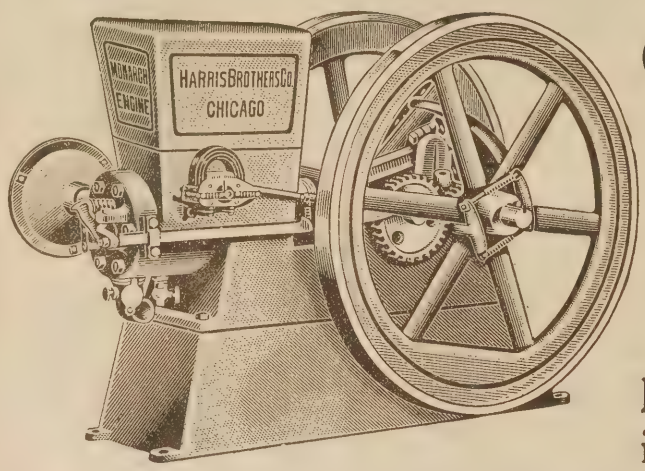
Cream Separator Repair Parts

Harris "Cream Getters" are guaranteed to you, and we will replace, free of charge, all repair parts which will come within the terms of our guarantee.

Either through accident or through honest wear, your separator is bound to need renewal or repair parts at some time. When ordering repair parts give full description as shown in the price list, giving the number, name and price of the part, together with the serial number and size of your separator. If you do not have a price list on hand, describe the parts to the best of your ability or send us in a sample, making sure that you specify the name, serial number and capacity of your separator. Also the date of purchase. Send order for parts with remittance, according to the list price, or estimate what you think the parts would cost. Always be sure to remit enough to include postage, and we will refund the balance in all cases.

Reliable Monarch Engines

BUILT FOR GASOLINE OR KEROSENE



MONARCH GASOLINE ENGINE ON CAST SUB BASE

Gasoline Engines

1¾ to 7 h. p. **$45.00** and Upwards

They Embody All Latest and Best Improvements

Monarch Engines are Simple in design and trouble-proof

Throttle Governor insures smooth operation

Easy starting made certain by vaporizing fuel

Speed regulator adjustable while engine is running

Water spray valve for vaporizing fuel

Fuel economy: One-tenth gallon fuel per h.p. hour

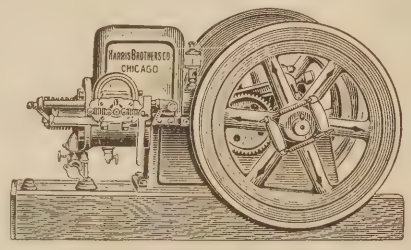
Conservative ratings develop 20 per cent over ratings shown

These Celebrated Engines

—now built for Harris Brothers Co.

THE BUILDERS of these high grade engines, like many other leading manufacturers, were willing to make the necessary price concessions in order that we might use our wonderful sales organization to acquaint thousands of engine users throughout the country with the one real successful gasoline or kerosene engine. Although they have been continually built and distributed for many years, this is positively the first time in their entire history that they have sold direct to the consumer at a price reduction. In every way we have investigated by actual test and convinced ourselves that Monarch Engines are the world's best before we were ready to distribute them. Read the conditions of our liberal terms, our free trial and guarantee forever—the greatest engine offer ever made.

Monarch Engines are all made complete by one of America's best equipped engine builders. The improved construction embodies all newest and best features with many additional exclusive points of merit. Always sure starting and steady running under any and all conditions. They are constructed throughout of finest material beautifully finished in red enamel artistically striped. Some of the main important features are the detachable cylinder head, perfect poppet valves, malleable iron "I" beam connecting rod, Webster oscillating magneto on all sizes. Note the additional features mentioned at the side of these pages.



1¾ H.P. Monarch Gasoline Engine

No. 36-B-120. This Monarch Gasoline Engine is the ideal power for operating a small line shaft connected with your Cream Separator, Grist Mill, Fan Mill, Washing Machine, Grindstone or any other small farm machinery. It gives you full rated power at all times at lowest possible fuel expense. Although this is the smallest of the Monarch Engines, all splendid features are embodied in its construction. Monarch Gasoline Engine, size 1¾ h.p. (full explanation on opposite page).

Sale price..... **$45.00**

LIBERAL TERMS!

Time to Pay if You Wish!

You can buy your Monarch Engine in any size under most liberal terms: three ways to pay, as follows:

Plan No. 1 By sending cash in full with order you will be allowed a discount of 3 per cent, from these prices.

Plan No. 2 If you wish to examine and use the engine for thirty days, send us a letter from your banker stating that the full sale price has been deposited with him and will be sent to us when you are fully satisfied.

Plan No. 3 If you wish to buy your engine on time in three payments—an extra charge of $2.50 will be necessary to cover our bookkeeping expense. Send one-third of the amount with your order and blanks will be sent for your signature for the balance to be paid one-third in two months and one-third in four months.

Solve Your Power Problems!

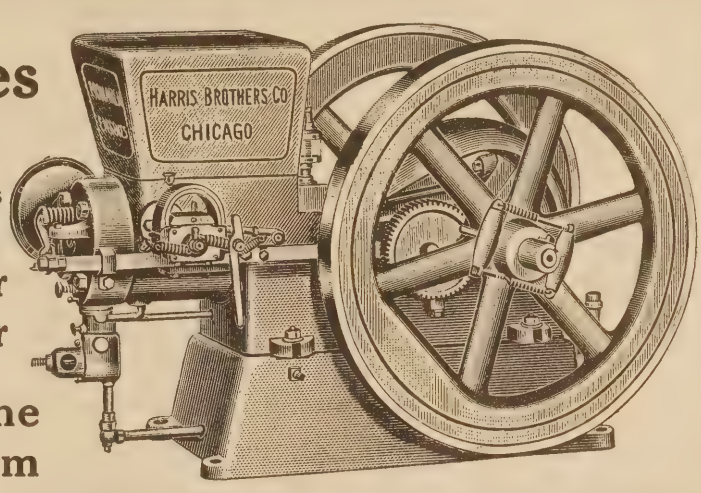
WEBSTER OSCILLATING MAGNETO

Kerosene Engines

3 h. p. to 10 h. p. **$87.00** and Upwards

Throttling Governor-Webster Magneto-Kerosene Carburetor

Sure Easy Starting—The Ideal Engine for the Farm



MONARCH KEROSINE ENGINE ON CAST SUB BASE

SPECIFICATIONS AND SALE PRICES

ORDER NO.	GASOLINE ENGINES				KEROSENE ENGINES			
	36-B-120	36-B-121	36-B-122	36-B-123	36-B-320	36-B-321	36-B-322	36-B-323
Size, H. P.	1¾	3	5	7	3	5	7	12
Price on skids	$45.00	$75.00	$100.00	$150.00	ON CAST SUB BASE ONLY			
Price on cast Sub base	.....	$79.00	$107.00	$160.00	$87.00	$113.00	$170.00	$290.00
Speed, R. P. M.	500	400	350	325	450	400	370	300
Bore, inches	3½	4½	4¾	5½	4½	4¾	5½	6¾
Stroke, inches	5	6	8	10	6	8	10	12
Pulley, inches	4x4	8x6	12x6	14x8	8x6	12x6	14x8	22x8
Diameter Crank Pin, inches	1¼	1 9/16	1¾	2	9/16	1¾	2	2½
Length Crank Pin, inches	1 9/16	1 13/16	1 13/16	2	1 13/16	1 13/16	2	2½
Length Connecting Rod, inches	10⅛	12½	14½	19	12½	14½	19	26
Length Piston, inches	4	5½	6	7	5½	6	7	9½
No. of Piston Rings	3	3	3	3	3	3	3	3
Fuel Tank, gallons	1	2½	2½	7½	3½	4	8½	11
Weight, Flywheel	34	81	142	250	81	142	250	375
Shipping Weight	225	475	715	1250	485	725	1265	2450

Monarch Pumping Outfits

Kerosene carburetor designed for cheapest fuel

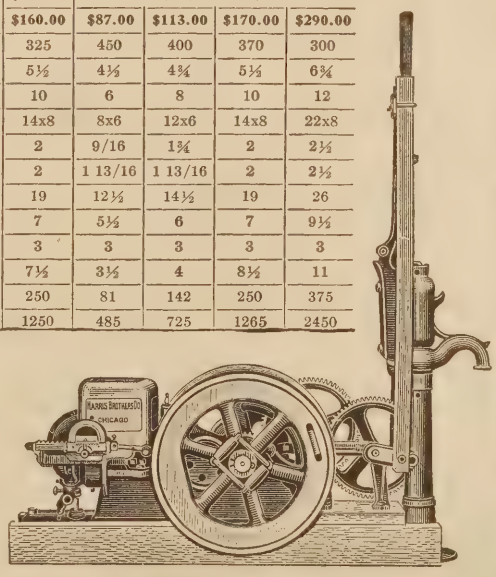
Cooling hopper of special design prevents cracking from frost

Modern design embodying all good points

Drop forge crank shaft

Thick walled cylinder permits boring three times

Ignition Webster's oscillating magneto on all sizes



Pump and Pump Standards Not Supplied

Includes regular Monarch Engine and geared pumping jack, mounted on wood skids. Jack is arranged for direct connection to pump standard; no belts. By taking out four lag screws the pumping jack can be removed and the engine run independently.

36-B-329. Monarch direct connected pumping outfit with 1¾ h. p. engine and single gear pump jack, height 20 in., 3¾ in. bore, 5 in. stroke, 18 in. flywheel, 5x5 in. pulley, wt. 360 lbs. **Price** **$60.00**

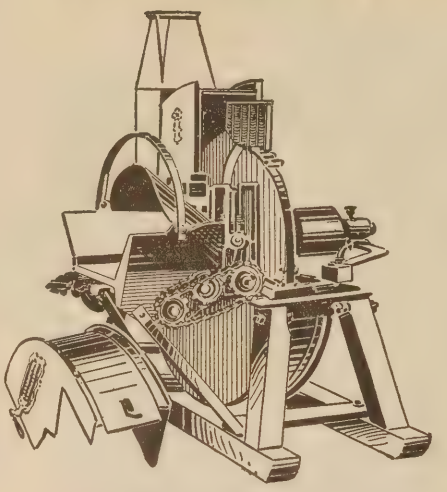
FREE TRIAL!

Guaranteed Forever!

Whether you pay cash in full for your Monarch Engine or buy it under the conditions of our three payment plan, we will gladly send it to you on trial—our sole object being to satisfy you with your purchase.

We insist that you be satisfied in every way with your Monarch Engine before we will consider the transaction closed. If you do not find the engine we send you to be exactly as pictured and described in these pages, or if for any reason whatsoever you are not satisfied, your money, including all transportation charges, will be returned without any question or quibble. Monarch Engines in all sizes as described on these pages are guaranteed by us to give you the satisfaction you have a right to expect, and if at any future time you find your engine to be defective in material or workmanship, we will cheerfully send you repair parts to place your engine in perfect condition—replace the engine with a new one or hand you back any amount of money you have paid us.

Rumely Advance Ensilage Cutter



The above cut shows the simplicity of the Rumely Advance Ensilage Cutter and gives an idea of the accessibility of all parts when the cover is removed. Note the sure-acting safety device and the provisions for a strong, solid machine throughout.

THE Big Complete Silage Cutter, all mounted complete on Steel Horse Trucks. Rumely Advance Silage Cutter is equipped with dependable sure-acting safety device. Can be fed from either side without any change whatever. The starting, stopping and reversing of the carrier can be done from one side or the other with equal ease. An iron yoke is placed directly over the hopper, extending from one side of the feed opening to the other. One end of this is connected with a clutch collar and bevel gear arrangement in such a manner that it can be used as a lever to start, stop, or reverse both the chain carrier and the feed rolls. The Advanced Safety Cutter is equipped with one of the best sure-acting Safety Devices; in fact, is the pioneer machine of its kind to be so equipped.

There are four cutter knives used in the Advance Silage Cutter. These are straight, efficient and strong. The chain carrier conveys the material that is to be cut into the feed rolls. It is made of hardwood slats, placed close together, so that no litter can drop between them. The slats are firmly riveted to a double sprocket chain.

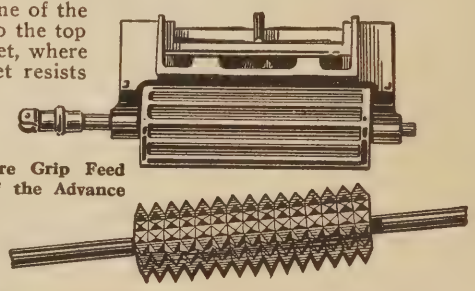
The lower half of the drum case is made of heavy steel; being securely riveted, it adds strength in itself and gives support to the cross pieces. This heavy drum wears longer and being almost impossible to penetrate, it serves as a protection, if any foreign article gets into the machine.

The delivery pipe is made of No. 22 galvanized steel, 8 inches in diameter.

On each end of each section a malleable iron ring is fixed. Each ring has eight holes. Only four of these are used at a time for bolting the sections together—the other four are provided, so that the pipe can be twisted around, as desired, to turn the distributor in any direction.

The delivery pipe is made light, so that it can be put up readily. It is made strong, so that it cannot easily be bent out of shape nor worn by the friction of the silage.

The delivery pipe used with the Advance Silage Cutter is not only smooth inside, to reduce friction; it is also made practically air tight, so that none of the force of the blast is lost on the way—it is all used to carry the silage to the top of the silo. The top of the distributor hood is reinforced by a steel sheet, where the silage strikes it with greatest force in being deflected. This sheet resists the great wear at this point.



The Sure Grip Feed Rolls of the Advance Cutter.

Specifications are as follows:

Height of Cutter	inches
Height of Feeding Table	46 inches
Width of Throat	15 inches
Capacity of Throat in square inches	90 inches

FAN CASE OR DRUM DIMENSIONS

Diameter inside	46 inches
Width inside	9½ inches
Clearance between fan and case	½ inch
Gauge steel used for rim	No. 10
For sides	No. 12

FRAME

Size of angle iron	3½x3½x⅜ inches
Size of wood sills	4x3¼ inches

DELIVERY PIPE

Diameter	8 inches
Made of steel gauge galvanized iron	No. 22

KNIFE DISC

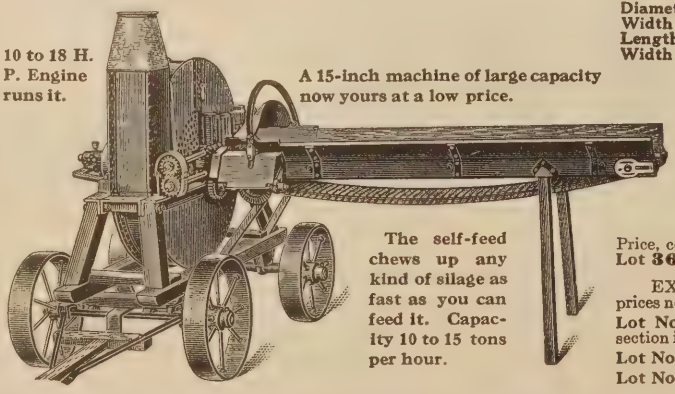
Weight complete	375 lbs.
Diameter	34 inches
Thickness	1¼ inches
R. P. M.	600 to 900

KNIVES

Number furnished	4
Width	3¾ inches
Length	18¼ inches
Thickness	⅜ inch

DIMENSIONS OF TRUCK

Diameter of wheels	22 inches
Width	3 inches
Length of hub	6 inches
Width of wheel track	57 inches



10 to 18 H. P. Engine runs it.

A 15-inch machine of large capacity now yours at a low price.

The self-feed chews up any kind of silage as fast as you can feed it. Capacity 10 to 15 tons per hour.

Equipment includes:—

Distributor hood for top of delivery pipe.
Feeding platform 30 inches wide and 6 ft. long, and Galvanized delivery pipe, as follows:

2—8 ft. sections
1—6 ft. section
1—4 ft. section
1—2 ft. section of 8-inch, 22 gauge galvanized pipe

Price, complete, as above
Lot **36-B-1223**.....**$150.00**

EXTRA EQUIPMENT: The following extras will be furnished at the prices noted:

Lot No. **36-B-208.** Hopper for end of distributor, when distributor section is used.....**$2.50**
Lot No. **36-B-209.** Inside distributor section, 30 inches long... **1.00**
Lot No. **36-B-210.** Extra blower pipe, per foot..... **.50**

VAULT DOORS, LOCKERS, CABINETS

FIRE-PROOF VAULT DOORS

Made for use in Court Houses, Banks, Offices, Insurance Companies, Post Offices or any place where Fire Proof Safes have been installed. Increase Your Return on any new or old building. Tenant always looks for a place of protection for valuable documents.

Lot No. 16-C-10. Brand New Vault Door Like Illustration

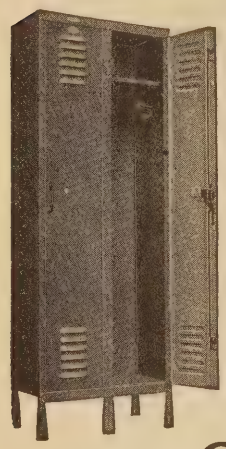
Dimensions: Inside clearance 28x74 inches; made to fit an 18-inch wall. Opening in wall to receive vault, 32x77 inches. Approximate weight, 600 pounds.

The door of this vault is hung on two strong hinges and fitted with a 2x2x¼-inch steel angle around the entire edge; the door plate being made of 10 gauge steel. The angle is fitted with three cross bolts made of 1-inch cold rolled round steel and securely locked with a Yale Combination Lock. The inner doors are made double of 10 gauge and 14 gauge steel welded together, having up and down flat bolt work, securely locked with a flat key lock.

The rear flanges are so made that frame can be unscrewed, the vault placed in position, leveled, fitted and tried so that the bolt and locks work perfectly, then all crevices can be filled up and cemented, the rear flanges screwed back and the vault will be ready for use. By making the flange on the rear of the vault in this manner, the building can be completed and vault placed in position without being marred. Price **$115.00**

Overhauled Vault Doors and Safes!!

We have on hand at all times a variety of overhauled vault doors and safes. They are in first-class overhauled condition in every way, painted and all working parts put in the best condition. The handle and dial are re-nickeled—will make a very imposing fixture to any office. We have such makes as Hall, Diebold and Harris, all of which are standard on the market. Send us your inquiry, and we will furnish you complete detailed description and lowest prices.



Brand New Steel Lockers

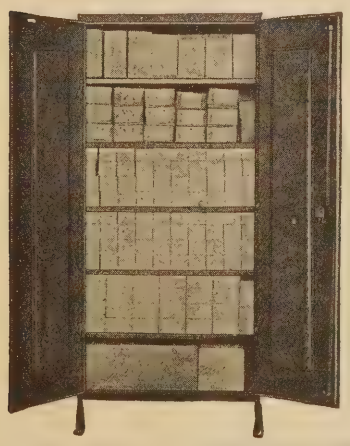
We can now furnish you Brand New Steel Lockers from our Chicago Stock for immediate shipment—like illustration. These are all arranged in units or banks of five compartments wide to a section. They are 12" wide, 15" deep and 60" high, inside measurements. This is the ideal size for general service in offices or factories. All arranged single row fitted with three 2 prong coat hooks; hat shelf and doors have nickel plated number plates; olive green enamel finish. Doors are reinforced type, making them absolutely rigid. All lockers have an attachment for padlock.

ORDER BY LOT NO. 16-C-171

Price per opening in lots of 5 and 10 openings	$7.00
Price per opening in lots of 15 and 20 openings	6.75
Price per opening in lots of 25 and 30 openings	6.50
Price per opening in lots of 35 or more openings	6.25
Master Keyed cabinet locks with 2 keys to each compartment, per opening, extra	1.00

OVERHAULED STEEL LOCKERS

We always have on hand a number of steel lockers. Give us an approximate idea as to the size you prefer, stating width, depth and height, and whether single or double tier lockers are preferred, as well as about how many you will require. These are second-hand lockers which come to us in connection with our large dismantling operations, which are thoroughly overhauled before shipment and guaranteed to be in first class condition in every respect and will answer the purpose just as good as new. Sometimes we have brand new lockers in these lots. Steel lockers are sanitary and permanent for shop, factory and office use. It makes your employees more contented. We are in position to quote very interesting prices, so write us today and our low money saving prices will follow by return mail.



Steel Storage Cabinets

These Brand New Steel Storage cabinets are fire retarding; prevent petty thieving and help you keep things in order and keep out dust and vermin. They are being used in thousands of places for the storage of stationery, automobile parts, dies, tools and material and supplies of every kind. These cabinets are used by all garages—offices—machine shops—elevators—schools and business men. Every storage need they have is supplied by these cabinets. Built of heavy steel and all equipped with a lock and two keys. They have six-inch adjustable legs and shelves are adjustable.

No. 16-C-1886—Size 18" wide, 18" deep, 60" high, four shelves (five shelf openings) one door	$17.00
No. 16-C-2456—Size 24" wide, 15" deep, 60" high, four shelves (five shelf openings) two doors	20.00
No. 16-C-3487—Size 34" wide, 18" deep, 72" high, five shelves (six shelf openings) two doors	30.00
No. 16-C-3487WC—Size 34" wide, 18" deep, 72" high, Wardrobe Cabinet with one shelf for hats—coat hanger rod—coat hooks—two doors	29.00

HOSE FOR ALL PURPOSE USE!

Will Not Kink

Molded Braided Garden Hose

The most popular, durable rubber garden hose on the market is the molded constructed. It will not kink like the ordinary wrapped hose as it is molded under high pressure both external and internal. No seams in either the duck or rubber and will stand the highest water pressure. All high grade Brand New Stock, guaranteed to satisfy.

Lot No. 3-C-33. Size, ⅝ inch inside single braid non-kinking, black corrugated molded hose, furnished with standard ¾ inch brass couplings, attached each end.

25 Foot Lengths, Coupled	**$3.15**
50 Foot Lengths, Coupled	**$6.00**
Cut in any lengths, per foot	**12c**
Couplings attached, extra per set	**25c**

Lot No. 3-C-34. Size, ¾ inch inside, single braid, non-kinking, black corrugated molded hose, furnished with standard ¾ inch brass couplings.

25 Foot Lengths, Coupled	**$3.50**
50 Foot Lengths, Coupled	**$6.80**
Cut in any lengths, per foot	**13½c**
Couplings attached, extra per set	**25c**

Lot No. 3-C-35. Size, ¾ inch inside, double braid, non-kinking, red corrugated molded hose, furnished with standard ¾ inch brass couplings, attached each end.

25 Foot Lengths, Coupled	**$4.00**
50 Foot Lengths, Coupled	**$7.75**
Cut in any lengths, per foot	**15c**
Couplings attached, extra per set	**25c**

Hose Reels

3-C-47. The use of a reel is recommended, as it drains the hose when winding in; also prevents the unnecessary wear. Be sure and order a reel with your hose.

Are oil finished, hardwood frame, iron wheels, capacity, 100 feet of ¾" hose. **Price..$1.85**

Water Hose for General Purposes

3-C-39. This is a high grade hose and a better quality than used for lawn and sprinkling purposes. It is made to stand hard usage. We furnish it in lengths of 5, 10, 15, 20, 25, 30, 35, 40, 45 and 50 feet. Prices do not include couplings.

Inside Diameter, in., 1 , 4-Ply	**33c**
Inside Diameter, in., 1¼, 4-Ply	**39c**
Inside Diameter, in., 1½, 4-Ply	**18c**

High Grade Steam Hose

3-C-40. This is an extra high grade hose, the inner tube of which is specially compounded to resist the action of heat. Walls are made of heavy duck and guaranteed fully in every particular. Furnished in multiples of 5 ft. only up to 50 ft.

Inside Diameter Inches	4-Ply for 35 lbs. steam or less per ft.	5-Ply for 50 lbs. steam or less per ft.	6-Ply for 75 lbs. steam or less per ft.
½	32c	---	---
¾	39c	50c	59c
1	50c	62c	73c
1¼	60c	73c	88c

New Canvas Belt Remnants

Lot No. 3-C-48

Length Feet	Width Inches	Ply	Price Each
9	4	4	$ 1.35
8	4½	4	1.28
19	5	4	4.18
34	5	4	7.48
53	5	4	11.66
55	5	4	12.10
14	5	6	3.64
37	6	4	9.25
21	7	4	6.30
40	9	4	13.20
45	9	4	14.85
50	9	4	16.50
60	9	4	19.80
40	10	4	16.00
13	10	6	7.80
40	10	6	24.00
32	12	4	16.00
20	12	6	15.00
39	12	6	29.25
71	12	6	58.00
60	14	6	56.40

Whirlwind Revolving Lawn Sprinkler $1.75

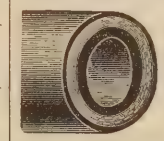
3-C-49. The most popular Sprinkler offered. Brass head and arms. Sprinkler's height is 12 inches, with three 6-inch brass arms. Has loose swivel in sled. Covers a large area. The head is easy running and will operate equally as well under a low as a high pressure. This is a very handsome lawn fixture and can be placed anywhere without shutting off the water. Will fit ¾" hose couplings.

Price, each.....$1.75

Two Inch Tank Suction Hose

3-C-46. This is the regular standard Thresherman's Suction Hose, with steel wire inserted in walls to prevent collapsing. Has large rubber ends and will fit over 2-inch tank pump connection. Sold in lengths of 10, 15, 20 and 25 feet only. Size, inside diameter, 2 inches. **Price, per foot.....48c**

Hard Rubber Suction Hose



3-C-43. Hard Rubber Suction Hose, smooth bore, extra heavy walls which will prevent collapsing when in use. Sold in lengths in multiples of 5 feet to 50 feet inclusive. Prices do not include couplings or clamps.

Size, inches	¾	1	1¼	1½
Price, per foot	**20c**	**24c**	**29c**	**42c**

Used Canvas Belting

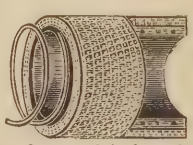
Lot No. 3-C-94

Number of feet	Width, Inches	Ply	Price. per foot
1536	6	4	19c
316	7	4	22c
1333	8	5	31c
304	8	6	37c
932	9	5	33c
157	9	6	40c

Hose Nozzle

3-C-55. "Gem" pattern will throw a solid stream or spray. Size for ¾" hose coupling. **Price, each.....75c**

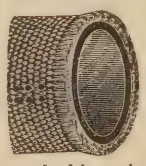
Red Woven Cotton Covered Suction Hose.



3-C-45. This is a smooth bore hose and is nonkinkable. Owing to the heavy woven cotton cover, this hose will stand the hardest usage and will outwear any other suction hose manufactured. Has enlarged soft rubber ends to fit over 2 inch tank pump connection, and is sold in lengths of 10, 15, 20 and 25 feet. Size, inside diameter:

Inches	¾	1	1¼	1½	2
Price, per foot	**40c**	**50c**	**52c**	**63c**	**60c**

Cotton Rubber Lined Fire Hose



3-C-42. For fire protection purposes. This is a single jacketed cotton rubber lined mill hose, tested to 250 pounds and furnished complete with automatic brass couplings which require no clamps. Every length fully guaranteed. In ordering, be sure and state whether the couplings are to fit standard iron pipe or hose thread.

Inside Diameter Inches	Price Per Length 25 feet	Price Per Length 50 feet
1¼	$ 8.75	$15.60
1½	9.75	17.25
2	12.95	22.80
2½	15.90	28.00

Used Canvas Thresher Belts

Lot No. 3-C-99

12—125 ft. Endless, 6" 4-Ply.	Each....	$23.75
8—150 ft. Endless, 8" 5-Ply.	Each....	46.50
5—160 ft. Endless, 9" 5-Ply.	Each....	52.80

Indian Tanned Cut Lace

Lot No. 3-C-295. Special Lot. All hand cut perfectly true. Especially for wet, cold or hot places. There is no better lace made. Sold in 100 ft. bundles only.

¼ inch, per 100 ft.	$ 0.75
⅜ inch, per 100 ft.	.90
⅜ inch, per 100 ft.	1.15
½ inch, per 100 ft.	1.65

BELTING

Owing to our enormous business in this line, we carry a large and complete stock of Belting and Supplies, insuring our customers prompt shipment of their orders. We earnestly advise that you note carefully the general purpose for which we recommend the use of our various grades and order accordingly.

Rubber Belting

possesses many advantages. The cotton duck being protected by the rubber cover, the belt is not affected by dampness, but will run in damp places. It is uniform in thickness and strength and will always run straight on the pulleys. Our rubber belts are thoroughly stretched in making and therefore do not stretch materially when placed in service. Adhere closely to the pulley, giving the best transmission of power.

"Superior" Brand

3-B-20. This is the highest quality belt constructed; adapted for heavy duty on main drives in paper mills, sawmills, ore concentrating plants, factories, electric light plants and similar service where a belt is subjected to hard usage.

Width, In.	4-ply, Per ft.	Per ft. 5-ply,	6-ply, Per ft.
4	$0.33	$0.41	.....
5	.41	.51	.....
6	.49	.62	$0.73
7	.57	.72	.86
8	.62	.77	.92
9	.69	.86	1.04
10	.77	.96	1.15
12	.92	1.15	1.38
13	.....	1.25	.....
14	1.08	1.34	1.62
15	1.15	1.44	.....
16	1.23	1.54	1.85
18	.....	1.73	2.08
20	.....	1.92	2.30
22	.....	2.11	.....
24	.....	.....	2.76

TENSILE STRENGTH UNEQUALED — ECONOMICAL — WILL GIVE FIRST CLASS SERVICE — FOR HEAVY WORK

"Standard" Brand

3-B-1. This is a light weight flexible belt of high tensile strength, especially adapted to agricultural purposes on dairy machines, silo machines, pumps, and comparatively light transmission service, etc.

Width Inches	3-ply Per ft.	4-ply Per ft.
1	06c	....
1¼	08c	....
1½	09c	....
2	12c	14c
2½	14c	17c
3	17c	20c
3½	20c	23c
4	21c	25c
4½	....	28c
5	....	31c
6	31c	37c
8	....	46c

SMOOTH UNIFORM SURFACE — FOR LIGHT WORK IT CAN'T BE BEAT

"Premier" Brand

3-B-3. This is an all-around service belt of medium weight made to withstand general transmission service requirements, such as countershaft drives, flour mill drives, heavy agricultural work and conveying purposes.

Width Inches	4-ply Per ft.	5-ply Per ft.	6-ply Per ft.
3	$0.23	.....	.....
4	.30	.....	.....
4½	.33	.....	.....
5	.37	$0.46	.....
6	.44	.55	$0.66
7	.51	.65	.....
8	.57	.70	.83
9	.62	.....	.....
10	.70	.86	1.03
11	.76	.....	.....
12	.83	1.03	1.24
13	.90	1.12	.....
14	.97	1.21	1.46
15	1.03	1.30	.....
16	1.11	1.39	.....
18	1.24	.....	.....

Endless Canvas Belting

3-B-11. Brand new and guaranteed. These belts are especially recommended for threshers or for any other purpose where a belt is exposed to the weather. Actual lengths are three feet shorter than specified as it requires the price of three feet for lap and labor in making belts endless.

Width Inches	4-Ply 50 ft.	75 ft.	100 ft.	125 ft.	150 ft.
5	$14.70	$21.30	$28.20	.....	.....
6	17.10	24.90	33.00	$40.80	.....
7	19.50	28.50	37.50	46.50	$55.50
8	21.90	32.10	42.30	52.50	62.40
9	.....	.....	.....	.....	69.00

Width, Inches	5-ply 125 ft.	150 ft.	160 ft.
7	$58.20	$69.30	.....
8	65.40	78.30	$83.10
9	.....	86.10	91.50

Width Inches	6-ply 150 ft.	160 ft.
8	$93.90	$99.90
9	103.50	110.40

"XX" Special Brand Canvas Belting

3-B-9. This belt is the most serviceable for use outdoors, as it can not be injured by steam or water and can be run in places where the heat would injure a rubber or leather belt. It is made of heavy canvas woven very hard, giving it great strength. The rows of stitching are very close so that the plies will not separate. It is painted red with a special composition which makes it waterproof and it is not affected by heat or cold. This belt is thoroughly stretched during the process of manufacture and is adaptable for sawmills, mines, quarries, etc.

Width Inches	4-ply Per ft	5-ply Per ft	6-ply Per ft.
1	06c	....	....
1¼	08c	....	....
1½	09c	....	....
2	12c	....	....
2½	14c	....	....
3	17c	....	....
3½	20c	....	....
4	22c	28c	33c
4½	24c	....	....
5	27c	34c	41c
6	32c	39c	47c
7	36c	....	....
8	41c	51c	61c
9	45c	....	....
10	49c	61c	73c
12	62c	77c	92c
14	69c	....	1.04

Made of Heavy Canvas — Perfectly Woven

White Woven Cotton Belting

3-C-15. This white woven cotton belt is especially adapted for elevating and conveyor purposes. It is solid woven, making it the heaviest and strongest cotton belt on the market.

Width Inches	Per Foot 2-ply	3-ply	4-ply	5-ply	6-ply
1	$0.06	$0.08	.....	.....	.....
1¼	.07	.09	.....	.....	.....
1½	.08	.10	$0.12	.....	.....
2	.09	.11	.14	.....	.....
2½	.10	.13	.17	.....	.....
3	.11	.14	.19	.....	.....
3½	.12	.17	.....	$0.28	.....
4	.13	.18	.23	.32	.....
4½	.14	.20	.25	.....	.....
5	.17	.22	.28	.39	$0.46
6	.19	.25	.32	.45	.55
6½	....	.26	.35	.....	.....
7	....	.29	.37	.....	.63
8	.25	.33	.43	.59	.75
9	....	.41	.52	.68	.83
10	.33	.46	.59	.77	.96
12	.37	.52	.69	.92	1.13

Rubber Bucket Elevator Belt

3-B-582. This is a special lot of new rubber elevator belts. Cut any lengths. Priced low for quick sale.

4 inch, 2 ply, per foot	11c
5 inch, 2 ply, per foot	10c
3 inch, 3 ply, per foot	10c
4½ inch, 3 ply, per foot	14c
5 inch, 3 ply, per foot	16c

LEATHER BELTING

"Reliable" Brand

3-B-7. Our "Reliable" Brand New Leather Belt is by far the best leather belt on the market, made of short lap, high grade stock from which the finest belt is made, cannot be beat for high speeds such as woodworking machinery and heavy drives. Made endless to order at a charge of two feet extra for labor and lap.

Width Inches	Per Ft. Thick Single	Per Ft. Thick Double
2	$0.26	.....
2½	.32	.....
3	.39	$0.78
3½	.45	.90
4	.52	1.04
4½	.58	1.16
5	.65	1.30

Width Inches	Single Thick Per Ft.	Double Thick Per Ft.
5½	$0.71	$1.42
6	.77	1.54
7	.91	1.82
8	1.03	2.06
9	.....	2.33
10	.....	2.59
12	.....	3.11

"Square" Brand

3-B-6. "Square" Brand New Leather Belt is suitable for light and medium power transmission. It is cut from the same leather as our "Reliable" Brand and is manufactured in the same careful manner, but is of a lighter weight. For farm machinery, light factory power, etc., there is no better belt on market. Made endless to order at a charge of two feet extra for labor and lap.

Width Inches	Single Thick Per Ft.	Double Thick Per Ft.
1	$0.11	.....
1¼	.14	.....
1½	.16	.....
1¾	.19	.....
2	.22	.44
2¼	.24	.48
2½	.27	.54
2¾	.30	.60

Width Inches	Single Thick Per ft.	Double Thick Per ft.
3	$0.32	$0.64
3½	.38	.76
4	.43	.86
4½	.49	.98
5	.54	1.08
6	.65	1.30
7	.....	1.51
8	.....	1.73

Overhauled Leather Belting

3-B-5. We rebuild and overhaul leather belts and when ready for shipment, they will give the same satisfaction as new; with the exception that the stock of course is overhauled. Made endless to order at a charge of two feet extra for labor and lap.

Width Inches	Single Thick Per ft.	Double Thick Per ft.
1	$0.07	.....
1¼	.09	.....
1½	.11	$0.22
2	.14	.28
2¼	.16	.32
2½	.18	.36
3	.22	.44
3½	.25	.50
4	.29	.58
4½	.32	.64
5	.36	.72
5½	.40	.80
6	.43	.86

Width Inches	Single Thick Per ft.	Double Thick Per ft.
7	.....	$1.01
8	.....	1.15
9	.....	1.30
10	.....	1.44
11	.....	1.58
12	.....	1.73
13	.....	1.87
14	.....	2.02
15	.....	2.16
16	.....	2.30
18	.....	2.59
20	.....	2.88
24	.....	3.46

Belting Supplies, Packing, Elevator Buckets, Etc.

"Adams" Canvas Pulley Covering

$3.75

Prevents belts slipping. Threshermen appreciate it; saves power and money. Can run with loose belt. Lessens friction on bearings and shaft. It is easily applied without rivets and is durable.

Put up in convenient outfits, consisting of Canvas Cement, Brush and Scraper for applying.

Lot No. 3-B-102. Outfit No. 3. Sufficient for 10 sq. ft. of pulley surface.....$3.75

Perfection Belt Dressing

Prevents belt from slipping. Contains nothing that is injurious to the belt. Put up in 1 lb. sticks.

Lot No. 3-B-104. Price per stick.....35c
Per dozen one-pound sticks.....$3.50

Side Lace Leather

Raw Hide Lace Leather, made from the strongest, toughest, native hides. We do not cut hides.

Lot No. 3-C-25 Price per side

Sides contain about 8 sq. ft.....$3.60
Sides contain about 10 sq. ft..... 4.50
Sides contain about 12 sq. ft..... 5.40
Sides contain about 15 sq. ft..... 6.75
Sides contain about 18 sq. ft..... 8.10

Cut Raw Hide Lace Leather

Made of the finest selected hides. Put up in bundles containing 50 to 100 feet. We guarantee that this is the toughest and best quality of cut lace leather on the market.

Lot No. 3-C-24.

Width, inches..	¼	5/16	⅜	½	⅝
Price, 50 feet..	$0.55	$0.60	$0.75	$1.10	$1.30
Price, 100 feet..	1.05	1.15	1.45	2.05	2.40

"Handy Repair Bundle"

Lot No. 3-B-89. This handy bundle consists of one pound of mixed good strong rawhide lacing of various widths and lengths, practical for repairing harness, belts and other leather equipment about the farm and factory. Always the right lace or string when you need it. Price per one pound bundle complete.....60 cents

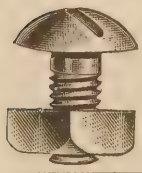
Belt Elevator Bolts

These bolts are for attaching elevator buckets to flat belts and have slot in head for screw driver, and corrugated under surface. They are well made and smoothly finished. Sold in boxes of 100 only.

Lot No. 3-B-927.

Dia. In.	Length In.	
¼	½	Price per box of 100.....$0.85
¼	⅝	Price per box of 100..... .90
¼	¾	Price per box of 100..... .95
¼	1	Price per box of 100..... 1.00
¼	1¼	Price per box of 100..... 1.05

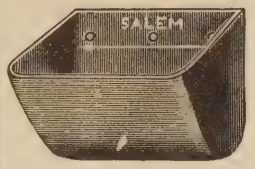
Chain Elevator Bolts



3-C-928. This type bolt is used for attaching elevator buckets to link chain belting. They have button head, are well made and smoothly finished. Sold in boxes of 100 only.

Dia. In.	Lgth. In.	Price
¼	⅝	Box of 100.$1.00
¼	¾	Box of 100. 1.10

Elevator Buckets



Lot No. 3-B-49. Brand new. For general elevator work we consider the Salem bucket the best on the market. All these buckets are spot welded. This decidedly strengthens the bucket, saves the belt and discharges perfectly. When placing order advise how you want them punched, whether for flat belt or link chain belting. If for link belt state style of attachment and number of chain.

Bucket Length	Size, Ins. Proj.	Capac. Cubic Inches	Gauge No.	Price Each
3	3	12	22	$0.12
3½	3	15	22	.12
4	3	17	22	.12
4½	3	20	22	.12
4	3½	24	22	.12
4½	3½	27	22	.12
5	3½	30	22	.13
5	4	41	20	.14
5½	4	45	20	.16
6	4	49	20	.19
7	4½	66	20	.22
8	5	98	19	.26
9	5	110	19	.30
10	5	122	19	.35
10	5½	156	19	.36
9	6	169	18	.38
10	6	187	18	.42
11	6	206	18	.47
12	6	225	18	.52

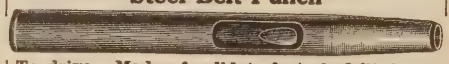
Overhauled Buckets

We offer the following overhauled elevator buckets at bargain prices subject to prior sale. These buckets are slightly shop worn but for further use as good as new. **Lot No. 3-B-28.**

Quantity	Bucket Size, Inches Length	Proj.	Each
80	2½	2½	$0.05
110	3½	3½	.07
720	4	3	.07
800	4	3½	.07
130	5	3½	.08
450	5	4	.09
50	5½	2½	.10
75	7	3½	.12
16	14	6	.35
85	16	7	.42
39	18	7	.45
200	20	6	.50

We carry a complete stock of elevator buckets and supplies. If you do not find what you require, write us.

Steel Belt Punch



To drive. Made of solid tool steel, drilled and reamed. **Lot. No. 3-B-27.**

Size No.	Hole Inches	Price Each	Size No.	Hole Inches	Price Each
11.....	¼	.....45c	13.....	5/16	.....55c
12.....	9/32	.....50c			

Composition Wire Belt Lace

The strongest wire belt lace manufactured. Tensile strength being 2,000 lbs.; will stand a far greater strain than is estimated in the driving capacity of a belt. Is better than hooks. Put up in boxes of 50 feet.

Lot No. 3-B-32. Price per Box

No 1. For belts 6 inches wide and under $0.30
No. 2. For all double leather belts less than 8 inches and for all rubber belts 5 ply or heavier..... .35
No. 3. For double belts above 8 inches in width ..... .40

Adjustable Lace Leather Cutters

Made especially for cutting Raw Hide Lace Leather. Cutters of finely tempered steel.

Lot No. 3-C-26. Price each.....50c

Spiral Graphite Packing

Spiral Graphite Packing. Made of the very best quality of stock, guaranteed to give satisfaction. Put up in boxes containing 12 feet, and in sizes from ¼" up to and including ⅝".

Lot No. 3-B-23. Price per lb. (any size) 65c

Red Sheet Packing

Our red sheet packing is manufactured of a compound soft enough to fill every crevice of the flange. It does not soften or blow out. It is recommended for all steam pressures up to 150 pounds saturated steam, and for all hydraulic pressures. Just the thing for making gaskets, etc. Put up in rolls 36 in. wide. We do not cut rolls lengthwise, but will furnish any quantity one yard wide and any length desired. 1/16" weighs approximately 5½ pounds to sq. yd. and ⅛"—11 pounds. Sizes, in stock, 1/16 and ⅛ inch.

Lot No. 3-B-15. Price, per lb.....32c

Alligator Steel Belt Lacing

Just a hammer to apply it. Packed in boxes, complete with pins.

Lot No. 3-B-15. For light narrow single leather or fabric belts ⅛ to 3/16 inch thick. Packed in 8-inch lengths containing sufficient for 64 inches in width of belting. Per box $1.45

Lot No. 3-B-20. For single leather belts, three ply fabric, etc., up to 3/16 inch thick. Packed in 12-inch lengths, containing sufficient for 60 inches in width of belting. Per box $1.45

Lot No. 3-B-25. For single leather and fabric belts from 3/16 inch to 5/16 inch thick. Packed in 8-inch lengths containing sufficient for 48 inches in width of belting. Per box $1.40

Lot No. 3-B-35. For double leather, 5 ply rubber, cotton or balata belts, 3/16 to 5/16 inch thick. Packed in 8-inch lengths containing sufficient for 32 inches in width of belting. Per box.....$1.30

Lot No. 3-B-45. For heavy double leather and 6 ply belts up to ⅜ inch thick. Packed in 12-inch lengths containing sufficient for 48 inches in width of belting. Per box $2.50

Giant Belt Hooks

Lot No. 3-C-30

For leather, rubber and cotton belts. Have double the strength of any other wire belt hooks that are made. Make perfect joints. No tool required but a hammer to insert them. Put up in boxes containing 250.

Size A. Approximate length, ¾ inch. Single length belts. Price per box.....65c
Size B. Approximate length, 1 inch. For heavy single and light double leather belts. Price per box 75c
Size C. Approximate length, 1¼ inches. For heavy double length belts. Price per box....90c
Size D. Approximate length, 1¼ inches, 3- and 4-ply rubber or cotton belt. Price per box..95c
Size E. Approximate length 1⅜ inches. 5- and 6-ply rubber or cotton belt. Price per box..$1.10

Steel Belt Lacing

Made of special steel, easily applied, making a smooth joint. The teeth are widely spaced and therefore does not cut the belt. Packed in boxes containing 100 inches in assorted lengths. In ordering hooks be sure and state kind and thickness of belt with which they are to be used.

Lot No. 3-B-A1. For single leather, rubber and canvas belts, up to 4-ply not wider than 6 inches. Price per box.....75c
Lot No. 3-B-1. For single leather, rubber, and canvas belts, 4-ply, 6 to 10 inches wide. Price per box 90c
Lot No. 3-B-2. For double leather, rubber, and canvas belts, up to 6-ply, 12 inches and wider. Price per box.....$1.20

Pointed Belt Awl-Perforator

A handy tool for perforating belts. We recommend the pointed belt awl for preparing belts to be spliced with lace leather, wire, etc.; will not cut threads of fabric, but simply separate them. Can be used for many other things.
Lot No. 3-C-28. Price each.....60c

Shafting and Shaft Line Supplies

Recent great purchases of complete plants and factories secured thousands of feet of perfect shafting absolutely straight and as good as new for further service. This shafting is guaranteed to be free from all defects.

No matter what your requirements are in Pulleys, Shafting, Hangers, Belting, etc., we can supply anything you need for power and transmission of every description. Give us a general idea of the conditions you will have to meet—let us solve your problem; let us save time and money for you.

Brand new Cold Rolled Steel Shafting at factory prices. Cut to any length up to 24 feet. Where longer shafts are required, it is necessary that two pieces be used together with coupling.

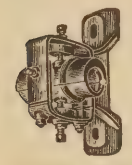
We also have a large stock of second-hand shafting, 1 15/16 inch and larger in diameter, which we quote subject to stock being on hand at time of receiving order.

When we are out of second-hand shafting, we will substitute new Shafting at prices quoted on new, unless we are advised to the contrary.

16-B-1. Brand New .. .. SHAFTING ....16-B-3 Second-Hand

Prices on Shafting Subject to Market Changes

Size, inches	¾	1	1 3/16	1¼	1 7/16	1½	1 11/16	1 15/16	2 3/16
Weight, per ft., lbs	1½	2½	3¾	4¼	5½	6	7½	10	12¾
Second-hand, per ft	...	...	...	...	...	...	...	$0.35	$0.45
Brand new, per ft	$0.11	$0.18	$0.25	$0.27	$0.36	$0.38	$0.49	.60	.77
Size, inches	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16	...	...
Weight, per ft., lbs	16	19¼	23	27¼	31½	36½	41½	...	...
Second-hand, per ft	$0.56	$0.68	$0.81	$0.95	$1.10	$1.34	$1.51	...	...
Brand new, per ft	.92	1.12	1.35	1.65	1.89	2.29	2.67	...	...

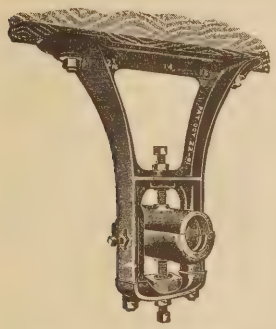


Adjustable Post Hangers

Brand new adjustable Ball and Socket Double Brace Post Hangers, with plain wick oiling bearings up to 2 15/16", 3 3/16" to 3 15/16" Ring Oiling Bearings.

16-B-7. Made with adjusting socket connection with plunger screws, true ball and bearing and ample adjustment.

Size, inch	¾	1	1 3/16	1¼	1 7/16	1½	1 11/16	1 15/16
Price, each	$2.55	$2.55	$3.40	$3.40	$3.60	$3.60	$4.45	$5.10
Size, inch	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16
Price, each	$7.00	$7.85	$10.65	$12.30	$17.00	$18.70	$26.80	$28.50



Brand New Drop Hangers

Double Brace, Adjustable, Ball and Socket, Wick Oiling, Drop Hangers, Standard Bearings.

16-B-9. Our hangers are the equal of any hangers on the market. They are as good as the best material and finest workmanship can make them. We use only the very best grade of babbitt applicable to shafting service, which is securely anchored to the castings and machined up by special process.

Shaft. Inches.	Drop in Inches. 8	10	12	14	16	18	20
¾	$2.35	$2.55	$2.75	$3.20	...	...	...
1	2.35	2.55	2.75	3.20	...	...	...
1 3/16	2.55	2.75	3.00	3.40	...	...	...
1¼	2.55	2.75	3.00	3.40	$3.60	$4.05	...
1 7/16	2.75	3.00	3.20	3.60	3.85	4.25	...
1½	2.75	3.00	3.20	3.60	3.85	4.25	...
1 11/16	3.85	4.05	4.25	4.70	4.90	5.10	$5.55
1 15/16	4.45	4.70	4.90	5.30	5.55	5.75	6.15

Write for prices on larger sizes. We can also furnish both ring and plain wick oiling drop and post hangers. Write for prices.

Overhauled Drop Hangers

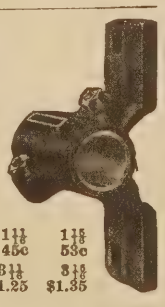
16-B-11. We offer second-hand Drop Hangers, subject to stock on hand at time order is received. **Should we not have second-hand hangers** in the sizes desired we will substitute new hangers, at prices quoted, unless otherwise advised. The boxes of our second-hand Drop Hangers are babbitted and are guaranteed to be in first class condition. **When necessary we rebabbitt them, good as new.**

Size, Shaft Inches	Drop in Inches 8	10	12	14	16	18	20	24	30	36
1 7/16	$ 1.80	$ 1.95	$ 2.15	$ 2.40	$ 2.45	$ 2.70	$ 2.80	$ 3.15	....	....
1 11/16	2.40	2.45	2.70	2.90	3.00	3.15	3.25	3.50	$ 5.30	$ 6.20
1 15/16	2.70	2.85	3.05	3.30	3.35	3.50	3.60	3.80	5.60	6.50
2 3/16	3.55	3.65	3.75	4.05	4.10	4.35	4.45	4.80	6.35	7.65
2 7/16	3.95	4.05	4.15	4.50	4.60	4.80	4.90	5.20	6.80	8.05
2 11/16	4.90	4.95	5.50	5.95	6.05	6.80	6.90	7.45	9.35	10.60
2 15/16	5.75	5.85	6.35	6.80	6.95	7.65	7.75	8.30	10.20	11.45
3 3/16	8.30	8.40	8.70	9.55	9.70	10.60	11.45	11.70	12.95	14.25
3 7/16	9.15	9.35	9.55	10.40	10.55	11.45	11.90	12.10	13.80	15.10
3 11/16	10.85	11.05	11.30	12.10	12.25	13.40	13.60	14.25	15.95	17.20
3 15/16	11.70	11.90	12.10	12.95	13.15	14.25	14.45	15.10	16.80	18.05

Brand New Rigid Post Blocks

16-B-15. Standard bearing, lubricated through cup cast in cap. Babbitted with the best grade of babbitt for shaft service. Sizes given are the diameter of shaft. Strength of design is a feature.

Inch	Each	Inch	Each	Inch	Each	Inch	Each
¾	$1.15	1 7/16	$1.75	2 3/16	$3.95	3 3/16	$ 7.25
1	1.30	1½	1.90	2 7/16	4.50	3 7/16	9.30
1 3/16	1.50	1 11/16	2.25	2 11/16	5.45	3 11/16	10.25
1¼	1.60	1 15/16	2.80	2 15/16	6.50	3 15/16	14.35



16-B-17 **Brand New Safety Set Collars for Shafting**

Inch	¾	1	1 3/16	1¼	1 7/16	1½	1 11/16	1 15/16
Each	25c	27c	30c	32c	38c	39c	45c	53c
Inch	2 3/16	2 7/16	2 11/16	2 15/16	3 3/16	3 7/16	3 11/16	3 15/16
Each	60c	68c	80c	90c	$1.02	$1.13	$1.25	$1.35

Flange Couplings for Shafting

16-B-19. We can furnish these couplings both new and second-hand, keyseated and keys furnished. Orders for second-hand couplings are taken subject to stock being on hand at time order is received. **In the event that we are out of second-hand couplings** we will substitute new couplings, at new prices, unless otherwise advised.

Size, Inches	Brand New	Overhauled	Size, Inches	Brand New	Overhauled
1 3/16	$5.20	$3.20	2 7/16	$ 9.40	$5.80
1¼	5.20	3.20	2 11/16	11.40	7.00
1 7/16	5.85	3.60	2 15/16	14.00	8.60
1½	5.85	3.60	3 3/16	16.90	10.40
1 11/16	6.85	4.20	3 7/16	18.55	11.40
1 15/16	7.50	4.60	3 11/16	21.80	13.40
2 3/16	8.45	5.20	3 15/16	23.40	14.40

Solid Sleeve Shaft Coupling

16-B-21. Brand new, used only for light shafting.

Size, inch	¾	1	1 3/16	1¼
Price, each	$2.25	$2.25	$2.65	$2.65
Size, inch	1 7/16	1½	1 11/16	1 15/16
Price, each	$3.00	$3.00	$3.40	$4.15

Ribbed Compression Couplings

16-B-23. We can furnish these couplings both new and second-hand. In the event we are out of the second-hand couplings we will substitute new couplings unless otherwise advised, at new prices.

Size, Inches	Brand New	Overhauled	Size, Inches	Brand New	Overhauled
1 3/16	$3.25	$2.00	2 7/16	$ 7.15	$4.40
1¼	3.25	2.00	2 11/16	8.15	5.00
1 7/16	3.90	2.40	2 15/16	9.75	6.00
1½	3.90	2.40	3 3/16	12.35	7.60
1 11/16	4.55	2.80	3 7/16	14.00	8.60
1 15/16	5.55	3.40	3 11/16	15.95	9.80
2 3/16	6.50	4.00	3 15/16	18.20	11.20

Patent Compression Couplings

16-B-25. These couplings do away with keyseating. **Guaranteed to hold the shafting securely and not slip.** Easy to install.

Inch	Each	Inch	Each
¾	$3.15	1 11/16	$ 5.60
1	3.60	1 15/16	7.20
1 3/16	4.25	2 3/16	8.10
1¼	4.50	2 7/16	9.65
1 7/16	4.95	2 11/16	11.70
1½	4.95	2 15/16	14.40

Jaw Clutch Couplings

Brand New Only

We furnish these only in the square or spiral jaw, the spiral jaws are made either for right or left hand. Always specify in ordering spiral jaw which hand is wanted.

No. 16-B-11. Square Jaw

Note illustration. Prices quoted on coupling include clutch band or lever. Write for prices.

Brand New Rigid Pillow Blocks

16-B-13. Heavy and suitable for all ordinary work, babbitted with the best grade of babbitt for shaft service. Sizes given are for diameter of shaft.

Size, inches	¾	1	1 3/16	1¼
Price, each	70c	70c	90c	90c
Size, inches	1 7/16	1½	1 11/16	1 15/16
Price, each	$1.20	$1.20	$1.65	$2.20
Size, inches	2 3/16	2 7/16	2 11/16	2 15/16
Price, each	$2.80	$3.20	$4.00	$4.50

Overhauled CAST IRON PULLEYS *Brand New*

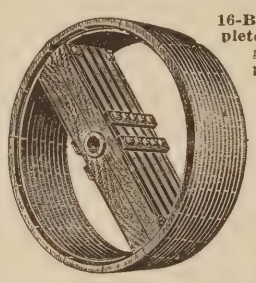
16-C-35. We have an enormous stock of overhauled or second hand Iron Pulleys in first class condition, perfectly balanced and for further service practically as good as new. As our stock constantly changes and while we offer a line of sizes, we can not guarantee to furnish second hand pulleys in every instance, so when we are out of second hand pulleys as ordered we will take the liberty of substituting new Iron Pulleys at new prices, unless advised to the contrary. Overhauled Iron Pulleys are fitted with set screws only or key seat only and when both are required, we will do this work, making small extra charge.

16-C-31. Brand new iron pulleys, made of the very best of gray iron machine moulded and guaranteed to be perfectly balanced.
Single belt pulleys are made to transmit power of a single leather belt or a 4-ply fabric belt. Double belt pulleys should be used where a double leather belt or a 5-ply or 6-ply fabric belt is used for heavy transmission of power.
We furnish pulleys bored to fit any size shaft and fitted with either set screws or key seated without extra charge. If both key seat and set screws are wanted we require an additional small charge. These pulleys have to be made, which takes about 4 days.

Dia. In.	Face In.	Single Belt	Double Belt
3	3	.....	$1.55
4	3	.....	1.70
4	4	.....	1.90
4	5	.....	2.10
4	6	.....	2.30
5	3	.....	1.85
5	4	.....	2.00
5	5	.....	2.20
5	6	.....	2.45
6	3	$1.10	.....
6	4	1.25	.....
6	5	1.45	.....
6	6	1.60	.....
6	7	.....	2.05
6	8	.....	2.30
7	3	1.20	.....
7	4	1.40	.....
7	5	1.55	.....
7	6	1.75	.....
7	7	2.00	2.20
7	8	2.20	2.45
8	3	1.35	.....
8	4	1.50	.....
8	5	1.70	.....
8	6	1.90	2.15
8	7	.....	2.40
8	8	.....	2.65
8	9	.....	2.90
8	10	.....	.....
9	3	1.45	.....
9	4	1.65	.....
9	5	1.85	.....
9	6	2.05	2.35
9	7	.....	2.60
9	8	.....	2.90
9	9	.....	3.15
9	10	.....	3.45
10	3	1.55	.....
10	4	1.75	.....
10	5	2.00	.....
10	6	2.20	2.50
10	7	.....	2.80
10	8	.....	3.10
10	9	.....	3.40
10	10	.....	3.75
10	12	.....	4.50
12	3	1.80	.....
12	4	2.05	.....
12	5	2.80	.....
12	6	2.55	2.90
12	8	.....	3.60
12	10	.....	4.30
12	12	.....	5.10
13	3	1.85	.....
13	4	2.05	.....
13	5	2.45	.....
13	6	2.75	.....
13	8	.....	3.85
13	10	.....	4.60
13	12	.....	5.45
13	14	.....	6.30
14	3	2.05	.....
14	4	2.35	.....
14	5	2.55	.....
14	6	2.90	3.35
14	7	.....	3.75
14	8	.....	4.15
14	10	.....	5.00
14	12	.....	5.85
14	14	.....	6.75
15	3	2.20	.....
15	4	2.45	.....
15	5	2.85	.....
15	6	3.05	5.60
15	8	.....	4.45
15	10	.....	5.35
15	12	.....	6.30
15	14	.....	7.25
16	3	2.35	.....
16	4	2.60	.....
16	5	2.90	.....
16	6	3.25	3.75
16	7	.....	4.25
16	8	.....	4.60
16	10	.....	5.55
16	12	.....	6.50
16	14	.....	7.50
17	3	2.45	.....
17	4	2.75	.....
17	5	3.15	.....
17	6	3.50	4.00
17	8	.....	4.95
17	10	.....	5.90
17	12	.....	6.95
18	3	2.60	.....
18	4	2.95	.....
18	5	3.30	.....
18	6	3.70	4.30
18	7	.....	4.80
18	8	.....	5.30
18	10	.....	6.35
18	12	.....	7.45
18	14	.....	8.55
20	4	3.35	.....
20	5	3.80	.....
20	6	4.25	.....
20	8	.....	.....
20	10	.....	7.20
20	12	.....	8.45

Dia. In.	Face In.	Single Belt	Double Belt
20	14	.....	$9.75
22	4	$3.70	.....
22	5	4.25	.....
22	6	4.75	5.40
22	8	.....	6.65
22	10	.....	8.00
22	12	.....	9.35
22	14	.....	10.80
23	5	4.45	.....
24	4	4.10	.....
24	5	4.70	.....
24	6	5.25	6.00
24	8	.....	7.45
24	10	.....	8.90
24	12	.....	10.45
24	14	.....	12.00
26	4	4.50	.....
26	5	5.15	.....
26	6	5.75	6.70
26	8	.....	8.25
26	10	.....	9.90
26	12	.....	11.55
26	14	.....	13.30
28	4	5.00	.....
28	5	5.70	.....
28	6	6.40	7.40
28	8	.....	9.15
28	10	.....	10.90
28	12	.....	12.75
28	14	.....	14.60
30	4	5.45	.....
30	5	6.25	.....
30	6	7.00	8.15
30	8	.....	10.05
30	10	.....	11.95
30	12	.....	13.95
30	14	.....	15.95
32	4	5.95	.....
32	5	6.80	.....
32	6	7.60	8.95
32	8	.....	10.95
32	10	.....	13.05
32	12	.....	15.15
32	14	.....	17.35
34	4	6.50	.....
34	5	7.35	.....
34	6	8.25	9.75
34	8	.....	11.90
34	10	.....	14.15
34	12	.....	16.45
34	14	.....	18.80
36	4	7.10	.....
36	5	8.05	.....
36	6	9.00	10.60
36	8	.....	12.95
36	10	.....	15.35
36	12	.....	17.85
36	14	.....	20.35
36	16	.....	22.95
36	18	.....	25.55

Reeves Brand New Wood Split Pulleys



16-B-75. Furnished complete with bushings and guaranteed to run perfectly true on shaft.

Wood Split Pulleys do not require either key seat or set screws. They fit to shaft by compression and will pull equally as heavy a load as an iron.

When placing order advise size of shaft. Also whether straight or crown face pulley is wanted; otherwise we will furnish crown face.

Diam. Inches	Face, Inches 3	4	5	6	8	10	12
3	$2.10	$2.20	$2.35	$2.50	.....	.....	.....
4	2.10	2.20	2.35	2.50	$2.80	$3.10	$3.40
5	2.15	2.20	2.40	2.55	2.90	3.25	3.55
6	2.20	2.25	2.45	2.65	3.00	3.40	3.75
7	2.20	2.30	2.50	2.70	3.10	3.55	3.95
8	2.25	2.35	2.55	2.80	3.25	3.80	4.15
9	2.35	2.45	2.70	2.95	3.40	3.90	4.40
10	2.45	2.55	2.80	3.10	3.60	4.15	4.65
11	2.65	2.80	3.10	3.40	4.00	4.60	5.20
12	2.80	3.00	3.35	3.80	4.35	5.05	5.70
13	3.25	3.25	3.60	4.00	4.75	5.50	6.25
14	3.45	3.45	3.85	4.30	5.10	5.95	6.75
15	3.80	3.80	4.15	4.60	5.50	6.40	7.30
16	3.90	3.90	4.40	4.90	5.85	6.85	7.80
17	4.15	4.15	4.65	5.20	6.25	7.30	8.35
18	4.35	4.35	4.90	5.50	6.60	7.75	8.85
19	4.60	4.60	5.20	5.80	6.90	8.20	9.40
20	4.80	4.80	5.45	6.10	7.35	8.65	9.90
22	5.25	5.25	5.95	6.70	8.10	9.55	10.95
24	5.80	5.80	6.60	7.45	9.10	10.75	12.40
26	....	6.30	7.25	8.20	10.05	11.95	13.80
28	....	6.85	7.90	8.95	11.05	13.15	15.25
30	....	7.35	8.50	9.70	12.00	14.35	16.65
32	....	7.90	9.15	10.45	13.00	15.55	18.10
34	....	8.50	9.85	11.25	14.05	16.80	19.60
36	....	9.10	10.60	12.10	15.10	18.10	21.10

Dia. In.	Face In.	Single Belt	Double Belt
3	3	.....	$3.10
4	3	.....	3.35
4	4	.....	3.75
4	5	.....	4.15
4	6	.....	4.60
5	3	.....	3.65
5	4	.....	4.00
5	5	.....	4.40
5	6	.....	4.90
6	3	$2.20	.....
6	4	2.50	.....
6	5	2.85	.....
6	6	3.20	.....
6	7	.....	4.10
6	8	.....	4.55
7	3	2.40	.....
7	4	2.75	.....
7	5	3.10	.....
7	6	3.50	.....
7	7	.....	4.40
7	8	.....	4.90
8	3	2.65	.....
8	4	3.00	.....
8	5	3.40	.....
8	6	3.80	4.25
8	7	.....	4.75
8	8	.....	5.25
8	9	.....	5.80
8	10	.....	6.35
9	3	2.90	.....
9	4	3.25	.....
9	5	3.65	.....
9	6	4.10	4.65
9	7	.....	5.20
9	8	.....	5.75
9	9	.....	6.30
9	10	.....	6.90
10	3	3.10	.....
10	4	3.50	.....
10	5	3.95	.....
10	6	4.40	5.00
10	7	.....	5.55
10	8	.....	6.15
10	9	.....	6.80
10	10	.....	7.50
10	11	.....	8.20
10	12	.....	8.95
12	3	3.60	.....
12	4	4.05	.....
12	5	4.55	.....
12	6	5.10	5.80
12	7	.....	6.45
12	8	.....	7.15
12	9	.....	7.85
12	10	.....	8.60
12	11	.....	9.35
12	12	.....	10.15
13	3	3.65	.....
13	4	4.35	.....
13	5	4.90	.....
13	6	5.50	6.20
13	7	.....	6.90
13	8	.....	7.65
13	9	.....	8.40

Dia. In.	Face In.	Single Belt	Double Belt
13	10	.....	$9.20
13	11	.....	10.00
13	12	.....	10.85
13	13	.....	11.70
13	14	.....	12.60
14	3	$4.05	.....
14	4	4.65	.....
14	5	5.10	.....
14	6	5.75	6.70
14	7	.....	7.50
14	8	.....	8.30
14	9	.....	9.10
14	10	.....	9.95
14	11	.....	10.80
14	12	.....	11.70
14	13	.....	12.60
14	14	.....	13.50
15	4	4.85	.....
15	5	5.65	.....
15	6	6.10	7.15
15	7	.....	8.00
15	8	.....	8.85
15	9	.....	9.75
15	10	.....	10.65
15	11	.....	11.60
15	12	.....	12.55
15	13	.....	13.50
15	14	.....	14.50
16	4	5.20	.....
16	5	5.80	.....
16	6	6.50	7.45
16	7	.....	8.50
16	8	.....	9.20
16	9	.....	10.10
16	10	.....	11.05
16	11	.....	12.00
16	12	.....	13.00
16	13	.....	14.00
16	14	.....	15.00
18	3	5.20	.....
18	4	5.85	.....
18	5	6.60	.....
18	6	7.40	8.55
18	7	.....	9.55
18	8	.....	10.55
18	9	.....	11.60
18	10	.....	12.65
18	11	.....	13.75
18	12	.....	14.85
20	4	6.65	.....
20	5	7.55	.....
20	6	8.50	9.65
20	7	.....	10.80
20	8	.....	11.95
20	9	.....	13.15
20	10	.....	14.35
20	11	.....	15.60
20	12	.....	16.85
20	13	.....	18.15
20	14	.....	19.45
22	3	6.35	.....
22	4	7.40	.....
22	5	8.45	.....
22	6	9.50	10.75
22	7	.....	12.00
22	8	.....	13.30
22	9	.....	14.60
22	10	.....	15.95
22	11	.....	17.30
22	12	.....	18.70
22	13	.....	20.10
22	14	.....	21.55
24	3	7.05	.....
24	4	8.20	.....
24	5	9.35	.....
24	6	10.50	12.00
24	7	.....	13.40
24	8	.....	14.85
24	9	.....	16.30
24	10	.....	17.80
24	11	.....	19.30
24	12	.....	20.85
24	13	.....	22.40
24	14	.....	24.00

South Bend Wood Split Pulleys

16-B-29. A special lot of brand new and overhauled wood split pulleys priced very low.

Wood Split Pulleys do not require either key seat or set screws. They fit to shaft by compression and will pull equally as heavy a load as an iron or any other kind of a pulley without slipping.

We recommend the use of Wood Split Pulleys in all dry places. If out of size ordered in this lot we will substitute overhauled wood split pulley of same size in good, serviceable condition at same price.

Diameter Inches	Face, Inches 3	4	5	6	8	10	12
3	$1.10	$1.15	$1.25	$1.30	....	....	....
4	1.10	1.15	1.25	1.30	$1.50	$1.65	$1.80
5	1.15	1.20	1.30	1.35	1.55	1.70	1.90
6	1.15	1.20	1.30	1.40	1.60	1.80	2.00
7	1.20	1.20	1.35	1.45	1.65	1.90	2.10
8	1.20	1.25	1.35	1.50	1.70	1.95	2.20
9	1.25	1.30	1.45	1.55	1.80	2.10	2.35
10	1.39	1.35	1.50	1.65	1.90	2.20	2.50
11	1.40	1.50	1.65	1.80	2.10	2.45	2.75
12	1.50	1.60	1.80	1.95	2.30	2.70	3.05
13	1.70	1.70	1.90	2.10	2.50	2.90	3.30
14	1.85	1.85	2.05	2.30	2.70	3.15	3.60
15	1.95	1.95	2.20	2.45	2.90	3.40	3.90
16	2.10	2.10	2.35	2.60	3.10	3.65	4.15
17	2.20	2.20	2.50	2.75	3.30	3.90	4.45
18	2.30	2.30	2.60	2.90	3.50	4.10	4.70
19	2.45	2.45	2.75	3.10	3.70	4.35	5.00
20	2.55	2.55	2.90	3.25	3.90	4.60	5.30
22	2.80	2.80	3.20	3.55	4.30	5.10	5.85
24	3.10	3.10	3.50	3.95	4.85	5.70	6.60
26	....	3.35	3.85	4.35	5.35	6.35	7.35
28	....	3.65	4.20	4.75	5.90	7.00	8.10
30	....	3.90	4.55	5.15	6.40	7.65	8.90
32	....	4.20	4.90	5.55	6.90	8.30	9.65
34	....	4.50	5.25	6.00	7.50	8.95	10.45
36	....	4.85	5.65	6.45	8.05	9.65	11.25
38	....	....	....	6.90	8.60	10.30	12.05
40	....	....	....	7.30	9.15	11.00	12.85
42	....	....	....	7.85	9.85	11.85	13.85

Overhauled Steel Split Pulleys

16-B-80. We are constantly receiving steel split pulleys in good, usable condition, which come to us in connection with our daily purchases of factories and complete plants. Steel split pulleys are furnished with bushings. Prices below save you a comfortable amount.

Diam. Inches	Face, Inches 3	4	5	6	8	10	12
3	$1.20	$1.25	....	....	....	....	....
4	1.25	1.30	$1.40	....	....	....	....
5	1.30	1.40	1.45	....	....	....	....
6	1.65	1.75	1.90	$2.05	....	....	....
7	1.70	1.80	1.95	2.10	....	....	....
8	1.75	1.90	2.05	2.20	$2.50	$2.80	....
9	1.80	1.95	2.10	2.25	2.55	2.90	....
10	1.90	2.05	2.20	2.35	2.65	2.95	$3.25
11	1.95	2.10	2.25	2.40	2.70	3.00	3.45
12	2.10	2.35	2.40	2.65	2.90	3.25	3.85
13	2.20	2.40	2.60	2.80	3.20	3.60	4.20
14	2.25	2.60	2.85	3.10	3.55	4.00	4.50
15	2.35	2.75	2.90	3.30	3.85	4.40	4.85
16	2.50	2.90	3.05	3.45	4.15	4.75	5.25
17	2.65	3.00	3.25	3.65	4.40	5.05	5.65
18	2.80	3.20	3.50	3.85	4.65	5.35	6.00
19	2.90	3.40	3.75	4.15	5.05	5.65	6.45
20	3.00	3.75	4.05	4.50	5.35	6.00	7.15
22	3.25	4.30	4.75	5.15	6.00	7.05	8.40
24	3.75	4.45	5.00	5.50	6.60	7.85	9.55
26	....	4.80	....	6.00	7.20	8.55	10.65
28	....	5.40	....	6.45	7.75	9.10	11.45
30	....	6.00	....	7.05	8.65	9.95	12.40
32	....	6.60	....	7.75	9.70	11.25	13.45
34	....	7.20	....	8.65	10.90	12.75	15.00
36	....	7.95	....	9.75	12.00	14.35	16.90
38	....	9.75	....	10.90	13.20	15.55	18.60
40	....	10.50	....	12.00	14.25	16.90	20.10
42	....	11.65	....	13.15	16.15	18.75	21.75
44	....	....	....	14.65	17.80	20.65	23.65
46	....	....	....	16.50	19.50	22.50	25.15
48	....	....	....	18.40	21.00	24.40	27.00
50	....	....	....	20.45	23.65	26.65	29.25

IF OUT OF OVERHAULED PULLEYS

we shall take liberty of substituting new unless advised otherwise.

Malleable Link Chain Belting

16-B-809. Brand new, for use on Mowers, Reapers, Binders, Corn and Wheat Drill, Corn Shellers, Straw Stackers, Feed Cutters, Saw Dust Conveyors, etc.

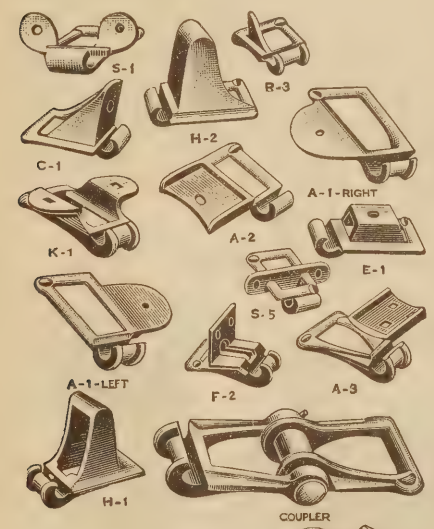
When ordering chain be sure and give number. If the chain is so worn that number is effaced, it is advisable to send a sample link.

No.	Links ft.	Working Strain	Approximate Leather Belting in. Single	Price per ft.
25	13.3	75 lbs.	1 in.	**12c**
32	10.4	150 lbs.	1½ in.	**13c**
33	8.6	200 lbs.	2 in.	**12c**
34	8.6	225 lbs.	2½ in.	**14c**
35	7.4	250 lbs.	2½ in.	**14c**
42	8.8	300 lbs.	3 in.	**15c**
45	7.4	350 lbs.	3½ in.	**13c**
51	10.4	375 lbs.	3½ in.	**18c**
52	8.0	400 lbs.	4 in.	**18c**
55	7.4	450 lbs.	4 in.	**16c**
57	5.2	600 lbs.	6 in.	**19c**
62	7.3	650 lbs.	6½ in.	**22c**
67	5.2	700 lbs.	7 in.	**23c**
77	5.2	750 lbs.	7½ in.	**26c**

Attachment Links for Chain Belting

MADE OF MALLEABLE

16-B-23. Attachment Links are made to fit the sizes of chains as listed below, and must not be ordered, except to match the size we state they will fit. For example, it will be noticed that the H2 attachment is only made for No. 25 chain, and must not therefore be ordered to be used on any other size.



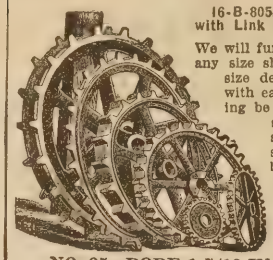
Chain No. 25	takes	A1-C1-H2-K1
" 32	"	A1-C1-E1-K1
" 33	"	A1-E1-K1-S1
" 34	"	A1-C1-E1-K1
" 35	"	A1-C1-E1-K1-S1
" 42	"	A1-C1-K1-S1
" 45	"	A1-A2-C1-E1-F2-K1-S1
" 52	"	A1-A3-F2-K1
" 55	"	A1-C1-E1-F2-K1-S1-S5
" 57	"	A1-F2-K1
" 62	"	A1-C1-K1-K5-S1
" 67	"	A1-E1-F2-K1
" 77	"	A1-E1-F2-H1-K1-R3

Attachments for No. 25 and 32 Chain. Each..... 5c
Couplers for No. 25 and 32 Chain. Per Pair..... 13c
Attachments for Nos. 33, 34 and 42 Chain. Each..... 6c
Couplers for Nos. 33, 34 and 42 Chain. Per Pair..... 15c
Attachments for Nos. 35, 45, 52, 55 and 62 Chain. Ea. 7c
Couplers for Nos. 35, 45 and 55 Chain. Per Pair..... 16c
Couplers for Nos. 51, 52 and 57 Chain. Per Pair..... 19c
Attachments for Nos. 57, 67 and 77 Chain. Each..... 11c
Couplers for Nos. 62, 67 and 77 Chain. Per Pair..... 26c

The Chain Couplers are a most useful device to place and connect link belting around the sprocket and have it without slack, and is equally desirable in taking it off the sprocket.

When ordering attachments A-1, A-2, A-3 or R-3, advise whether you want Right or Left Hand style.

Brand New Sprocket Wheels



16-B-805. Used in connection with Link Belting.

We will furnish these bored to fit any size shaft not exceeding the size described, in connection with each number. In ordering be sure and state size of shaft and whether the sprockets are to be keyseated or set screws or both. Unless otherwise specified they will be furnished with set screws.

NO. 25—BORE 1 7/16 INCH AND LESS

Pitch Dia. In.	Teeth	Price Each	Pitch Dia. In.	Teeth	Price Each
2	7	$1.40	7½	26	$2.55
2¼	8	1.45	8	28	2.70
2½	9	1.50	10	35	3.30
3	10	1.55	12	42	3.85
3½	12	1.60	13	45	4.40
4	14	1.70	14½	50	4.80
5	17	1.85	15	52	4.95
5½	19	2.00	16	56	5.30
7	24	2.40	18¼	64	6.10

NO. 32—BORE 1 7/16 INCH AND LESS

2	5	$1.50	8	22	$2.90
2½	7	1.55	8¾	24	3.10
3	8	1.60	10	27	3.50
3¼	9	1.65	11¾	32	4.10
4	11	1.70	12¼	34	4.30
4½	12	1.75	13¼	36	4.65
5¼	14	1.90	14	38	4.90
5¾	16	2.15	14¾	40	5.10
7½	20	2.65			

NOS. 33 AND 34—BORE 1 7/16 INCH AND LESS

2¾	6	$1.60	10¾	24	$3.75
3½	8	1.70	12	27	4.15
4½	10	1.85	13½	30	4.80
5	11	1.90	15¼	34	5.35
5½	12	2.00	16	36	5.60
6¾	15	2.40	18¼	41	6.30
8	18	2.90	18¾	42	6.50
8½	19	3.05	24	54	8.50
9	20	3.20	28½	64	10.40

NOS. 35, 45, 55—BORE 1 15/16 INCH AND LESS

2½	5	$1.65	17	33	$6.85
3½	7	1.75	18	35	7.30
4¾	9	2.00	20¼	39	8.10
5¾	11	2.30	21¾	42	8.80
6¾	13	2.70	22¾	44	9.20
7¾	15	3.15	23¾	46	9.70
8¾	17	3.55	24¾	48	10.10
9¾	19	3.95	25¾	50	10.55
11	21	4.30	28	54	11.60
12	23	4.70	30	58	12.50
15	29	5.95	31	60	13.10
16	31	6.40	36	69	16.60

NO. 42—BORE 1 11/16 INCH AND LESS

2¾	6	$1.70	9½	22	$3.75
3¾	8	1.75	11½	26	4.50
4¾	11	2.05	12¼	28	4.80
5¼	12	2.15	14	32	5.60
6	14	2.40	15¾	36	6.25
7	16	2.70	17¾	41	7.05
8	18	3.05	20	46	7.85
8¾	20	3.45	24	55	9.55

NO. 52—BORE 1 15/16 INCH AND LESS

3	6	$1.70	15¼	32	$6.40
3¾	8	1.85	17¼	36	7.20
4¾	10	2.15	19¼	40	8.00
5¼	11	2.35	22	46	9.20
6¾	14	2.95	23½	49	9.80
7¾	16	3.30	24½	51	10.20
8¾	18	3.70	25	52	10.40
9½	20	4.10	26½	55	11.10
10½	22	4.50	27¾	58	11.85
12½	26	5.30	28¾	60	12.40
13½	28	5.70	30½	64	13.60

NOS 57, 67, 77—BORE 2 7/16 INCH AND LESS

4	5	$1.90	19¾	27	$8.80
4¾	6	2.25	22	30	9.75
5¼	7	2.55	23½	32	10.40
6	8	2.90	25	34	11.20
7½	10	3.45	26½	36	11.85
9	12	4.00	28	38	12.50
10¼	14	4.65	30	41	13.80
11¾	16	5.30	32½	44	15.60
13¼	18	5.90	36	49	18.60
14¾	20	6.55	38½	52	20.40
16¼	22	7.20	41½	56	22.80
17¾	24	7.85			

NO. 62—BORE 2 7/16 INCH AND LESS

3¾	7	$1.85	12¼	23	$5.40
4¼	8	1.90	13¾	26	6.10
4¾	9	2.10	14¾	28	6.50
5¼	10	2.25	15¾	30	6.95
5¾	11	2.55	18	34	7.85
6¼	12	2.90	20	38	8.80
6¾	13	3.10	21½	41	9.50
7½	14	3.35	23	43	10.00
8	15	3.55	25¼	48	11.20
8½	16	3.75	30½	58	13.90
10	19	4.50			

Write for prices on No. 51 Sprocket wheels and sizes not listed.

New Rubber Belt Remnants

Here is a partial list of the Brand New belting remnants we accumulate daily from our large stocks of belting. All nice, clean, fresh stock, but merely lengths left from the regular roll stock we cut. Send us your orders today, giving us first and second choice, in the event the ones you order are out of stock. All remnants are offered subject to prior sale. If the belt you require is not shown in this list, write us. Priced very low for quick clearance.

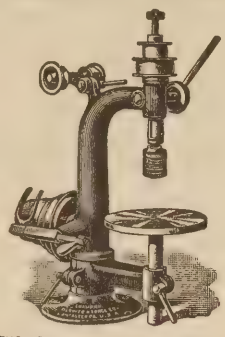
Length Feet	Width Inches	Ply	Price Each	Length Feet	Width Inches	Ply	Price Each
12	1	3	$ .48	13	5	5	$ 3.38
25	1	3	1.00	14	5	5	3.64
30	1	3	1.20	16	5	5	4.16
12	1¾	3	.84	19	5	5	4.94
14	1¾	3	.98	20	5	5	5.20
15	2	3	1.20	17	5	6	5.27
18	2	3	1.44	11	6	4	2.64
22	2	3	1.76	10	6	5	3.10
28	2	3	2.24	16	6	5	6.08
8	2	4	.72	28	6	5	10.64
13	2	4	1.17	32	6	5	12.16
20	2	4	1.80	35	6	5	13.30
12	2¼	4	1.20	15	6	6	5.55
20	2½	3	2.00	17	7	6	7.31
12	2½	4	1.32	18	7	6	7.74
16	2½	4	1.76	21	8	4	8.82
17	2½	4	1.87	22	8	4	9.23
18	2½	4	1.98	30	8	4	12.30
25	2½	4	2.75	35	8	4	14.35
28	2½	4	3.08	40	8	4	16.40
12	3	3	1.32	50	8	4	20.50
16	3	3	1.76	12	8	5	4.68
18	3	3	1.98	32	8	5	18.56
20	3	3	2.20	33	8	5	19.14
25	3	3	2.75	40	8	5	23.20
30	3	3	3.30	45	8	5	26.10
35	3	3	3.85	50	8	5	29.00
13	3	4	1.69	53	8	5	30.74
15	3	5	2.40	60	8	5	34.80
16	3	5	2.56	17	8	6	7.82
11	3½	3	1.43	18	8	6	8.28
17	3½	3	2.21	39	8	6	24.18
8	3½	4	1.20	52	8	6	35.88
13	3½	4	1.95	55	8	6	37.95
16	3½	4	2.40	60	8	6	41.40
20	4	3	2.80	41	10	4	23.78
9	4	4	1.44	18	10	6	10.44
10	4	4	1.60	19	10	6	11.02
12	4	4	1.92	45	10	6	38.70
13	4	4	2.08	50	10	6	43.00
15	4	4	2.40	54	10	6	46.44
18	4	4	2.88	59	10	6	50.74
20	4	4	3.20	63	10	6	54.18
22	4	4	3.52	20	12	4	9.20
25	4	4	4.00	26	12	5	15.08
10	4	5	2.10	34	12	5	26.18
11	4	5	2.31	42	12	5	32.34
12	4	5	2.52	64	12	5	55.04
13	4	5	2.73	10	12	6	6.90
14	4	5	2.94	16	12	6	11.04
16	4	5	3.36	17	12	6	11.73
24	4½	3	3.84	18	12	6	12.42
26	4½	3	4.16	21	12	6	14.49
16	4½	4	2.88	29	12	6	20.01
22	4½	4	3.52	50	12	6	52.00
24	4½	4	3.84	55	12	6	57.20
20	5	3	3.40	60	12	6	62.40
25	5	3	4.25	65	12	6	67.60
28	5	3	4.76	70	12	6	72.80
32	5	3	5.44	75	12	6	78.00
9	5	4	1.80	80	12	6	83.20
10	5	4	2.00	25	12	8	23.00
13	5	4	2.60	15	14	6	12.15
15	5	4	3.00	18	14	6	14.58
16	5	4	3.20	40	15	4	30.80
18	5	4	3.60	16	16	6	14.72
19	5	4	3.80	18	16	6	16.56
33	5	4	6.60	19	16	6	17.48
11	5	5	2.86	19	16	8	33.75
12	5	5	3.12	40	16	8	50.00

New Canvas Belt Remnants

9	4	4	$ 1.35	50	9	4	$16.50
8	4½	4	1.28	60	9	4	19.80
19	5	4	4.18	40	10	4	16.00
34	5	4	7.48	13	10	6	7.80
53	5	4	11.66	40	10	6	24.00
55	5	4	12.10	32	12	4	16.00
14	5	6	3.64	20	12	6	15.00
37	6	4	9.25	39	12	6	29.25
21	7	4	6.30	71	12	6	58.00
40	9	4	13.20	60	14	6	56.40
45	9	4	14.85				

Machinery and Plant Equipment

Harris Sensitive Bench Drill No. 50



Without Chuck $27.50

No. 8-C-600. Harris Sensitive Bench Drill is adapted for rapid drilling in garages, pattern, machine shops. With aid of cone pulleys two speeds can be furnished. Countershaft furnished with belt shifter.

Specifications: Greatest distance from spindle to table, 7½ inches. Run of spindle, 2½ inches. Run of table, 7 inches. Diameter of table, 8 inches. Drills to center of 10-inch circle. Drilling capacity, ½ inch. Size of tight and loose pulley, 4x1½ inches. Speed of driving pulley, 550 R. P. M. Weight, 75 lbs., fitted with Champion Chuck.

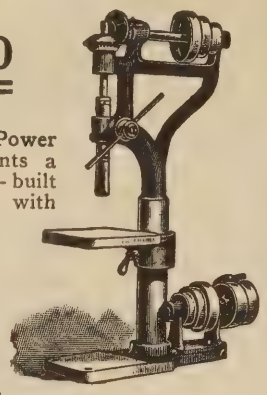
Price **$32.50**

Price without Chuck..... $27.50

POWER BENCH DRILL

No-0-

$42.00



No. 8-C-604. No. 0 Power Bench Drill represents a powerful and well-built Power Bench Drill with every detail for completeness in design and workmanship taken into consideration. The top of the drill base is planed off to use as a table when the regular drill table is turned, to one side, thus giving a space of 16 inches between the chuck and base-table. The upper cone pulley is between two bearings, thus equalizing the strain. The countershaft is supplied with a belt shift on the tight and loose pulley and the feed lever is manipulated with a spring arrangement to at all times automatically keep the lever and bit up and out of the work.

Dimensions: Drills to center of a 10-inch circle. Bores holes up to $\frac{9}{16}$ inch in diameter. Up-and-down run of spindle, 3¼ inches. Up-and-down run of table, 9 inches. Greatest distance from table to spindle, 10 inches. Greatest distance from planed base to spindle, 16 inches. Size of tight and loose pulleys, 4x1¼ inches. Size of large cone pulley, 4½x1½ inches. Size of small cone pulley, 3x1½ inches. Spindle is bored with No. 1 Morse taper hole. Height, 32 inches. Weight, 115 lbs.

Price **$42.00**

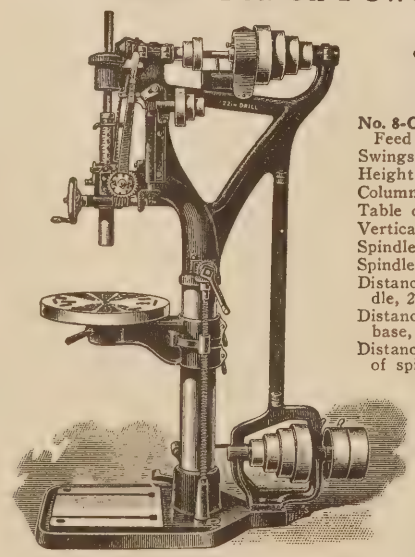
14 inch Upright Power Drill

$94.50

No. 8-C-605. 14-inch Upright Power Drill is a gear-driven drill of the best construction. Bevelled gears are planed. Bearings are large, the upper bearing being split to take up wear. Spindle made of high carbon steel, is graduated, ground and fitted with ball bearings, and counter-balanced by a weight in the column. Table is tilting and can be clamped at any angle and with the angular bracket makes it convenient for complicated work. Has a screw for raising and lowering the table, which is quick acting.

Distance between table and spindle, 34 inches. Distance between spindle and base, 45 inches. Size of table, 11x11 inches. Diameter of spindle, ⅞ inch. Traverse of spindle, 6½ inches. Size of tight and loose pulleys, 7x2½ inches. Size of cone pulley (four steps), $7\frac{3}{16}$, $6\frac{3}{16}$, 5⅛, $3\frac{13}{16}$x1⅝ face. Speed of driving pulleys, 225 R. P. M. Floor space, 16x18 inches. Capacity, ¾ inch. Horsepower required, 1 H. P. Hole in the spindle bored to fit No. 2 Morse Taper. Weight, 490 lbs..... **$94.50**

21 inch Back Geared Power Drill



$175

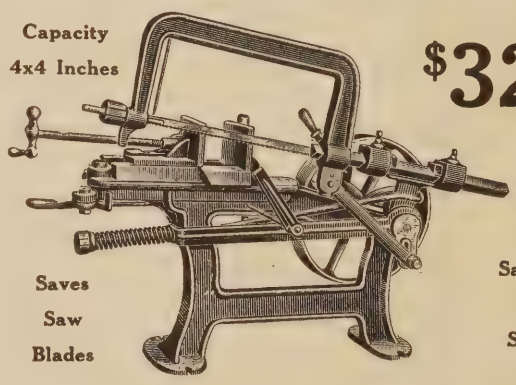
No. 8-C-606. Back Geared, Power Feed and Automatic Stop.
Swings to center of 21" circle.
Height of Drill, 77".
Column diameter, 5¼".
Table diameter, 16".
Vertical travel on column, 21".
Spindle diameter in sleeve, $1\frac{7}{16}$".
Spindle travel, 12".
Distance between table and spindle, 27½".
Distance between spindle and base, 43".
Distance from column to center of spindle, 10½".
Power Feeds per revolution of spindle for various cone steps on power feed, .002, .005, .008.
Size of tight and loose pulleys, 8x2¾".
Size of cone pulleys (4-step), 4, 5¾, 7½, 9x2" face.
Speed of driving pulley, 300 R.P.M.

Hole in spindle bored to fit No. 4 Morse Taper.
Base has T slots.
Capacity—drills 0 to 1½".
Floor space, 16"x44".
H. P. required, 1 H. P.
Weight, 915 lbs..... **$175.00**

Rapid Cutting Power Hack Saw

Capacity 4x4 Inches

$32.50



Saves Saw Blades

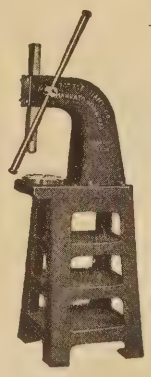
Saws Fast and Straight

Capacity 4x4", length of blade 12"; size of pulley 13x2¾". Revolutions 60 to 90 per minute takes 2½" belt. Shipping weight crated 125 pounds.

8-C-7063. Price of Rapid Power Hack Saw No. 1, complete as described **$32.50**

No. 2 Rapid Power Hack Saw. Capacity 6x6". Takes blades 12" to 17". Speed 50 to 70 revolutions. Pulley 17x3". Weight 260 pounds. Price **$59.75**

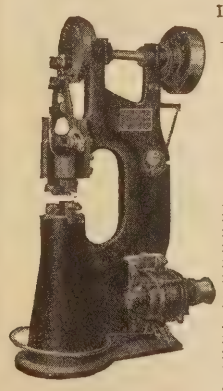
HARRIS
ARBOR PRESSES



Item	SPECIFICATIONS:		Model A	Model B	Model C	Model D	Model E	Model F
1	Largest Diameter of work handled		10"	15"	20"	30"	42"	42"
2	Largest Arbor received		1"	2"	3"	5"	6"	3"
3	Clearance above Arbor Plate		10"	12"	15"	46"	46"	15"
4	Rack, or Ram	Size	1⅜"x1⅜"	1¾"x1¾"	1¾"x2¼"	2½"x2½"	2½"x2½"	1¾"x2¼"
5		Length	15"	16"	21"	28"	28"	21"
6		Movement	9"	11"	14"	20"	20"	14"
7	Press, above Base	Height	17"	19"	24"	28"	28"	24"
8		Weight	140 lbs.	200 lbs.	450 lbs.	800 lbs.	1200 lbs.	800 lbs.
9		Space on Base	7"x15"	8"x18"	10"x21"	14"x30"	14"x36"	14"x32"
10	Base, below Press	Height	33"	33"	33"	42"	42"	33"
11		Weight	100 lbs.	140 lbs.	200 lbs.	1800 lbs.	2000 lbs.	400 lbs.
12		Space on Floor	11"x15"	14"x18"	18"x21"	22"x34"	22"x34"	22"x38"
13	Leverage		40 to 1	50 to 1	60 to 1	250 to 1	250 to 1	60 to 1
14	Actual pressure, not geared	One Man	3 Ton	4 Ton	5 Ton	6 Ton	6 Ton	5 Ton
15		Two Men	5 Ton	6 Ton	7½ Ton	9 Ton	9 Ton	7½ Ton
16	Actual Pressure, geared	One Man	5 Ton	6 Ton	10 Ton	15 Ton	15 Ton	10 Ton
17		Two Men	8 Ton	9 Ton	15 Ton	25 Ton	25 Ton	15 Ton
18	Shear Attachment	Length of Blade	3"	3½"	4½"	6"	6"	4½"
19		Capacity, maximum	3/32"x3"	⅛"x3"	¼"x4"	½"x6"	½"x6"	¼"x4"
20	Punch Attachment	Smallest punch bit	⅛"	⅛"	⅛"	⅛"	⅛"	⅛"
21		Maximum Material thickness	⅛"	5/16"	¼"	3/8"	5/8"	¼"
22		Largest Punch bit	¾"	¾"	¾"	¾"	¾"	¾"
23		Maximum material thickness	½"	⅝"	⅞"	¼"	¼"	⅞"
24	Broaching Attachment, maximum capacity		¼"x⅛"	¼"x⅛"	½"x¼"	¾"x½"	¾"x½"	½"x¼"
25	Code Word		Teba	Teca	Teda	Tefa	Tega	Teta
	Prices, F. O. B. Mankato, Minn.							
26	Press, complete with Base, Shelves, Code Word "Teha"		$48	$65	$110	$395	$450	$200
27	Press, without Base, Code Word "Teja"		$30	$40	$75	$125	$150	$140
28	Base only, including Shelves, Code Word "Teka"		$18	$25	$35	$270	$300	$60
29	Items 26-27 are not geared, for Gear Attachment, extra, Code Word "Tela"		$15	$20	$25	$40	$40	$25

Prices F. O. B. Chicago, Illinois

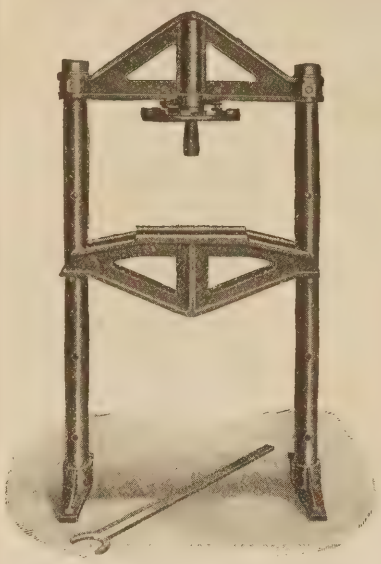
HARRIS
POWER HAMMERS



Item	SPECIFICATIONS:	Model H 25 lbs.	Model K 50 lbs.	Model P 100 lbs.	Model S 250 lbs.	Model T 500 lbs.	Model V 1000 lbs.	Model E Helve	Model N Neckyoke Singletree
1	Will forge stock up to	1½" sq. or 2" rd.	2" sq. or 2½" rd.	2½" sq. or 3½" rd.	4" sq. or 5½" rd.	5½" sq. or 7" rd.	8" sq. or 9½" rd.	2" sq. or 2½" rd.	1½" sq. or 2" rd.
2	Upper die size of face	1¼"x3"	1¾"x3½"	3"x6"	3½"x8"	4½"x10"	6"x14"	1½"x3"	3½"x3½"
3	Lower die size of face	2"x3"	2½"x3½"	3"x6"	3½"x8"	4½"x10"	6"x14"	2"x3"	adjustable
4	Lower die length of base	5"	5½"	6"	8"	10"	22"	5"	adjustable
5	Variable length of stroke	6" to 7"	8" to 11"	9" to 12"	12" to 15"	14" to 19"	18" to 25"	8" to 13"	6" to 7"
6	Throat Room—Height	6"	6"	7"	12"	15"	21"	6"	18" to 52"
7	Throat Room—Depth	10"	14"	14"	14"	14"	21"	14"	7"
8	Weight of steel ram	25 lbs.	50 lbs.	100 lbs.	250 lbs.	500 lbs.	1000 lbs.	35 lbs.	25 lbs.
9	Weight of hammer, complete	800 lbs.	1500 lbs.	3000 lbs.	5000 lbs.	9500 lbs.	18000 lbs.	1000 lbs.	1000 l s.
10	Height overall	5 ft. 4 in.	5 ft. 11 in.	6 ft. 6 in.	7 ft. 6 in.	9 ft.	10 ft. 6 in.	3 ft. 4 in.	6 ft. 11 in.
11	Floor space required	16"x27"	20"x30"	28"x42"	30"x54"	32"x62"	48"x76"	17"x43"	16"x27"
12	Belt Pulley size	3⅝"x10"	4"x12"	5"x14"	8"x18"	9"x24"	12"x24"	3"x12"	3½"x10"
13	Revolutions per minute	400	350	300	200	150	60	350	400
14	Estimated H. P. required	¾	1½	2½	4	7½	15	1½	¾
15	Price in Belt Driven Type	$140	$210	$420	$950	$1600	$2800	$150	$200
16	Code Word	**Babe**	**Boy**	**Man**	**Giant**	**Jumbo**	**King**	**Easy**	**Neck**
	Special dies, Extra Code Word								
17	Pick Point Dies ....."Pick"	$30	$30	$45	$70	$90	$125	$30	Not used
18	Chisel Bit Dies ....."Chibi"	Not used	70	80	100	130	190	Not used	Not used
19	Combination Pick Point and Chisel Bit Dies ...."Pichi"	Not used	85	100	120	140	210	Not used	Not used
20	Puncher Pick Dies .."Punch"	Not used	Not used	85	100	120	190	Not used	Not used
	Motor Driven Power Hammers, equipped with following described motors, of any voltage, complete and ready to run, excepting drive belt:								
21	Size of motor furnished	1 H. P.	2 H. P.	3 H. P.	5 H. P.	7½ H. P.	15 H. P.	Not used	1 H. P.
22	With 1150 R. P. M., D. C. Motor, including rheostat, "Taba"	$283	$439	$699	$1333	$2172	$3881	Not used	$393
	A. C. Motors, single Phase								
23	With 1200 R.P.M., 60cy."Taca"	315	445	710	1370	2235	3980	Not used	420
24	With 1500 R.P.M., 50cy."Tada"	291	425	670	1215	2170	3880	Not used	396
25	With 1200 R.P.M., 40cy."Tafa"	325	455	720	1400	2300	4070	Not used	430
26	With 1500 R.P.M., 25cy."Taga"	325	470	730	1400	2300	4070	Not used	430

Prices F. O. B. Chicago, Illinois

30 Ton Screw Press



$64.00

Designed Especially for Automobile Work

No. 8-C-902. No. 1 Screw Press; capacity, 30 tons. Height over all, 70 in. Floor space, 40 inches by 24 inches. Width between uprights, 32 inches. Maximum height between screw and table, 39 inches. Hand wheel, 15-inch diameter. Weight of wheel and screw carried on bronze bearing. Screw, 2 inches, 4 pitch Acme left thread, 12 inches travel. Screw does not turn. Thrust bearing is bronze. The left thread on the screw gives the advantage of a natural right hand movement which utilizes economically all the power exerted.

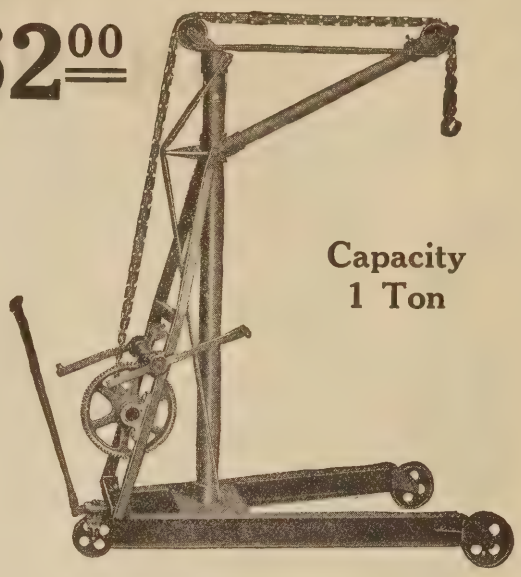
Table instantly adjustable for height. Entire machine is heavy and rigid in all directions, thereby avoiding the "give" and "spring" found in other designs. Shipping weight, 450 lbs.

Price $64.00

No. 8-C-903. No. 2 Screw Press; capacity, 30 tons; similar to the No. 1 Press, except that it accommodates larger units, the width between uprights being increased to 40 inches; floor space, 51 inches by 30 inches; maximum height between screw and table, 34 inches. Overall height, 72 inches. Shipping weight, 700 lbs. Price..... $75.00

Portable Floor Crane

$62.00



Capacity 1 Ton

The only crane with sufficient lift and reach for automobile work.

The base is heavy and superstructure light. The crank handles are set far enough away from the mast so the work never interferes with its action. The drum is long, so the chain does not pile up. A lock is provided to prevent rolling while hoisting.

The wheels are 9 inches by 2 inches, large and wide for easy rolling. The base is 39 inches wide, 9 inches high. Length overall is 74 inches; wheel base, 65 inches.

Capacity	Height	Lift	Reach	Weight	Price
1 ton	7½ feet	7 feet	40 in.	500 lbs.	$62.00
2 ton	8 feet	7 feet	40 in.	625 lbs.	75.00

Harris Buffers and Grinders

No. 8-C-909 A well built outfit at a very low price.

Every wheel is 6" in dia., ½" thick. Buffing wheel is 6" dia., ½" thick. Other size wheels can be used.

The Sunlight Motor is a good strong ¼ H. P., and will operate all day long at a temperature less than 40° C. rise; speed 1,750 R. P. M. A. C., 60 cycle; complete with 10' of cord and plug to fit any lamp socket.

Price..... **$20.00**

Harris Speed Drill, ¼-Inch Capacity

EQUIPMENT

No. 8-C-910

Drill casing of steel, motor housing steel drawn, self-tightening chuck, 3 jaws, heavy lead cord, automatic trigger type switch, pistol grip handle, motor is series wound Universal, operates from any lamp socket.

SPECIFICATIONS

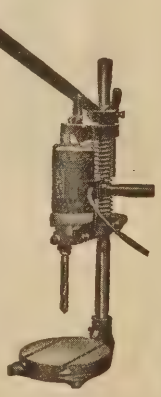
Type ULA, 110-220 volt; cap. ¼" steel; weight 5 lbs.; speed 1,200 R. P. M. Price..... **$23.50**

Harris Speed Drill, ½-Inch Capacity

EQUIPMENT

No. 8-C-911

8' lead cord, screw plug, knob handle, side handle, chuck for straight shank drill bits 0 to ½" or No. 1 Morse taper socket for taper shank drill bits.



SPECIFICATIONS

Type ULD, 110-220 volt; capacity ½" in steel; weight 12 lbs.; speed 400 R. P. M.

Attaches to any lamp socket. Specify voltage when ordering.

Price with stand..... $75.00

Price without stand..... 55.00

Special No. 6 Bench Jointer

Specifications

Length of knives.....6″
Depth of cut (maximum).....$\frac{7}{16}$″
Length of each table.....15″
Length of machine, over all.....30″
Speed of cutterhead.....3600 R.P.M.
Speed of motor.....3600 R.P.M.
Size of motor.....½ H.P.
Number of knives.....3
Weight of jointer without motor.....100 lbs.
Weight of jointer including motor.....150 lbs.
Weight, packed for domestic shipment.....200 lbs.
Weight, packed for export shipment.....230 lbs.
Cubic measure, packed for export.....5 cu. ft.

No. 8-C-1100. Capacity. Knowing by our experience with thousands of these machines now in use that the Bench 6″ Jointer is required for a large variety of work, ranging from the most delicate jointing and precision work to heavy cutting, this machine, like all Bench Machines, was designed and constructed to handle the range of work rapidly and with absolute accuracy. It will joint stock from the short pieces to stock 6″ wide. It will also cut or rabbet $\frac{7}{16}$″ deep and (with a special head) cut moulding shapes, grooves, tongues, etc. Price.....**$195.00**

$195.00

Special Plain Bench Saw

$185.00

No. 8-C-1104. Equipment. The Bench Plain Saw is equipped as described and with ½ H. P. motor, one blade, both rip and cross cutting fences, guard, ten foot lamp cord and plug for attaching to electric light socket.

Specifications

Depth of cut (maximum).....2″
Diameter of saw.....7″
Speed of saw blade.....5200 R.P.M.
Speed of motor.....1800 R.P.M.
Size of motor.....½ H.P.
Height of machine, including stand.....36″
Height from foot of machine to table.....7″
Size of table.....17″ x 20″
Weight of saw, including motor.....125 lbs.
Weight, packed for domestic shipment.....185 lbs.
Weight, packed for export shipment.....210 lbs.
Cubic measure, packed for export.....5¼ cu. ft.
Price **$185.00**

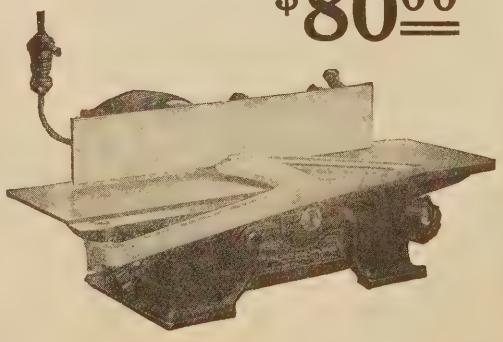
Special 4-Inch Bench Planer

No. 8-C-1106. Equipment. The Planer is equipped as described and with ¼ H. P. Motor, three high-speed steel knives, flap guard, ten-foot lamp cord and plug for attaching to electric light socket.

$80.00

Specifications

Length of knives.....4″
Depth of cut (maximum).....$\frac{3}{16}$″
Length of each table.....10″
Length of machine, over all.....20″
Speed of cutterhead.....3600 R.P.M.
Speed of motor.....3600 R.P.M.
Size of motor.....¼ H.P.
Number of knives.....3
Net weight of planer without motor.....25 lbs.
Net weight of planer including motor.....52 lbs.
Weight, packed for domestic shipment.....76 lbs.
Weight, packed for export shipment.....87 lbs.
Cubic measure packed for export.....2½ cu. ft.
Price **$80.00**



WOOD WORKING MACHINERY

Rip and Cut-Off Saw Machine

$100.00 F. O. B. Factory in Ohio

SPECIFICATIONS

FRAME—Heavy 2-inch angle steel electric welded together, 2x10-inch base timbers 5 feet long, set 2 feet apart.

SAW TABLE—Heavy angle steel frame, with channel steel slats riveted to frame. Top surface ground level and true. Height 2 feet 9½ inches, width 27 inches. Overhangs base on left side 10½ inches. Length 3 feet. Table hinged at back to raise or lower for regulating depth of cut. Has opening for 14-inch saw, which will cut up to 5 inches deep.

TILTING GUIDE—For rip saw tilts to angle of 45 degrees and is adjustable for ripping up to 17 inches in width. Furnished with spring for holding down material. Width of guide plate 4 inches, length 30 inches.

CROSSCUT GUIDE—Slides in milled groove. Has angle adjustment of 45 degrees and adjustable stop for cutting to length.

SAW MANDREL—1 5/16 inches in diameter, 39¾ inches long, threaded at both ends. Right and left-hand threads, left end threaded 4¼ inches long, right end 6 inches long. Takes saws, cutter heads or emery wheels with 1-inch hole. Flanges 3½ inches in diameter.

COUNTERSHAFT—1 3/16 inches in diameter, large pulley 16x4-inch face. Tight and loose pulleys 10x4-inch face.

BEARINGS—Are 4 inches wide and are full babbitted with high quality babbitt.

Shipping weight, 550 lbs. Floor space, 4 ft. 4 in. x 5 ft. 6 in. Pulley to belt to 10x4 in. face. Tight and loose. Speed, 550 R. P. M. Power, 3 to 5 H. P.

No. 8-C-38. Champion—Rip and Cut-off Saw Machine, complete with 12-inch rip saw, 10-inch cut-off saw and one 4-inch belt. Price **$100.00**

Rip and Crosscut Saw, 6-Inch Jointer, 12-Inch Sand Drum and Boring Machine

SPECIFICATIONS

FRAME—Heavy 2-inch angle steel, electric welded together, 2x10-inch base timbers 4 feet long, set 2 feet apart.

SAW TABLE—Heavy angle steel frame, with channel steel slats welded to frame. Top surface ground level and true. Height 2 feet 9½ inches, width 27 inches, overhangs base on left side 10½ inches. Length 3 feet. Table hinged at back to raise or lower for regulating depth of cut. Has opening for 14-inch saw, which will cut up to 5 inches deep.

6-INCH JOINTER—Plates are steel 6 inches wide, ground to a true finish surface. Both plates are 2 feet long and are furnished with hand-wheel screws for raising and lowering (to adjust depth of cut). Head is our round safety head with four knives. Cutting circle of head is 4¼ inches. Can be slipped off end of mandrel and sand drum, or other cutter heads with moulding knives, etc., used in its place.

BORING ATTACHMENT—Adjustable sliding table and ⅜-inch boring bit. Takes bits with ½-inch round shank from ¼ to 1½ inches.

SAND DRUM—12 inches wide by 4¼ inches in diameter, covered with sandpaper.

TILTING GUIDE—For jointer is adjustable and tilts to angle of 45 degrees. Furnished with spring for holding down material.

CROSSCUT GUIDE—Slides in milled groove. Has angle adjustment of 45 degrees and adjustable stop for cutting to length.

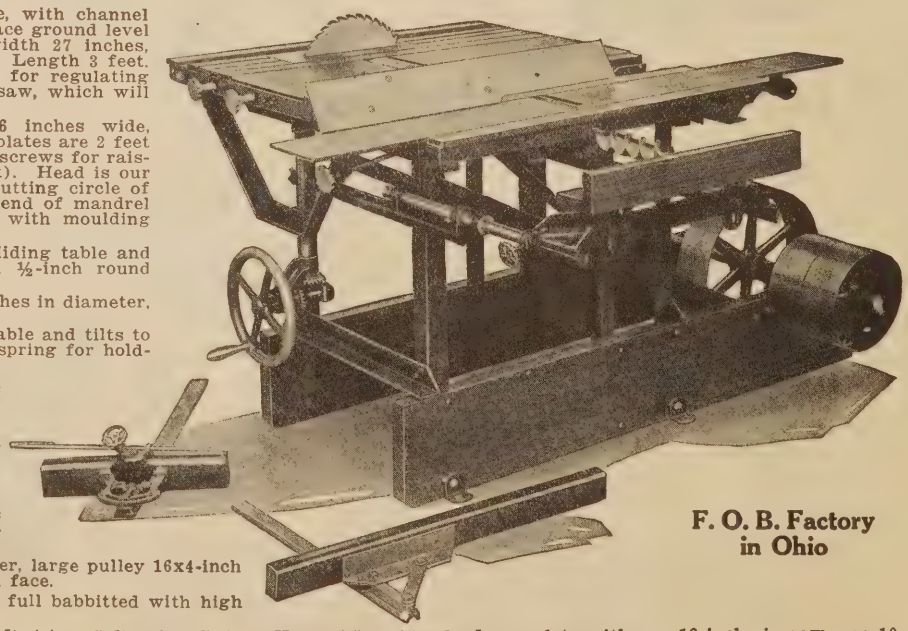
RIP GUIDE—Adjustable for ripping any width up to 22 inches.

SAW MANDREL—1 5/16 inches in diameter, 39¾ inches long, threaded left end 4¼ inches long. Takes saws with 1-inch hole up to 14 inches in diameter. Flanges 3½ inches in diameter.

COUNTERSHAFT—1 3/16 inches in diameter, large pulley 16x4-inch face, tight and loose pulleys 10x4-inch face.

BEARINGS—Are 4 inches wide and are full babbitted with high quality babbitt.

Shipping weight, 650 lbs. Floor space, 4 ft. 4 in. x 5 ft. 6 in. Pulley to belt to 10x4 in. face. Tight and Loose. Speed, 550 R. P. M. Power, 3 to 5 H. P.



F. O. B. Factory in Ohio

No. 8-C-55. Standard, complete with one 12-inch rip saw, one 10-inch crosscut saw, one 4-inch belt and one ⅜-inch boring bit. Price **$175.00**

WOOD WORKING MACHINERY

SPECIFICATIONS

FRAME—Heavy 2-inch angle steel electric welded together, 2 x 10-inch base timbers 5 feet long, set 2 feet apart.

SAW TABLE—Heavy angle steel frame with channel steel slats welded to frame. Top surface ground level and true. Height 2 feet 9½ inches, width 27 inches, overhangs base on left side 10½ inches. Length 3 feet. Table hinged at back to raise or lower for regulating depth of cut. Has opening for 14-inch saw, which will cut up to 5 inches.

BAND SAW—22-inch swing, cuts to center of 44-inch circle. Table measures 14½ x 17½ inches, stands 40 inches from floor and can be tilted for sawing bevels. Has two saw guides, upper guide has ball-bearing disc and can be raised to saw material up to 7 inches thick. Band saw wheels are covered with endless rubber bands and take saws 12 feet long.

JOINTER—12 inches wide with round safety head and four knives, cutting circle 4½ inches in diameter. Head is fastened to mandrel with both key in shaft and set-screw between bearings. Plates made of steel. Front plate 2 feet long. Rear plate 2½ feet long. Both plates have hand-wheel screws for raising or lowering on inclines to adjust depth of cut.

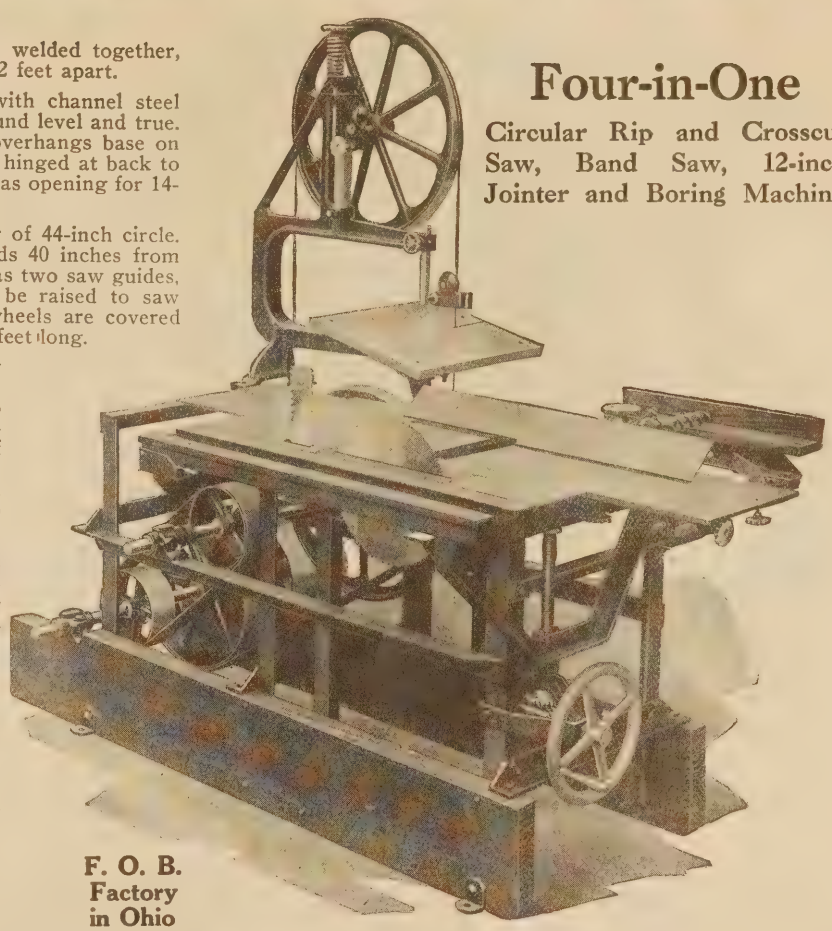
BORER—Takes bits with ½-inch round shank from ¼ to 1½ inches. Adjustable sliding table can be raised or lowered to take up to 2¼ inches below center of bit and has stop for regulating depth of bore.

TILTING GUIDE—For jointer and rip saw tilts to angle of 45 degrees and is adjustable for ripping up to 17 inches in width, furnished with spring for holding down material. Width of guide plate 4 inches, length 30 inches.

CROSSCUT GUIDE—Slides in milled groove. Has angle adjustment of 45 degrees and adjustable stop for cutting to length.

SAW MANDREL—$1\frac{5}{16}$ inches in diameter, 39¾ inches long, threaded at both ends, right and left hand threads. Left end threaded 4¼ inches, right end threaded 6 inches. Flanges measure 3½ inches in diameter, takes saws with 1-inch hole; fitted with 3 x 4-inch face pulley.

COUNTERSHAFT—$1\frac{3}{16}$ inches in diameter, size of pulley for circular saw mandrel 16 x 4-inch face. Size of pulley for band saw 8 x 3-inch face. Size of tight and loose drive pulleys 10 x 4-inch face.



Four-in-One

Circular Rip and Crosscut Saw, Band Saw, 12-inch Jointer and Boring Machine

F. O. B. Factory in Ohio

Shipping weight—920 lbs. Floor Space—4 ft. 4 in. x 6 ft. 5 in. Tight and Loose Drive Pulleys—10 in. diam. x 4 in. face. Speed —550 R. P. M. Power—5 H. P.

No. 8-C-70. Four-in-One, complete with one 12-inch rip saw, one 10-inch crosscut saw, one ⅜-inch band saw, one ⅜-inch bit and one 4-inch and one 3-inch belt.
Price $240.00

Sanding Machine

(Made in Two Sizes)

SPECIFICATIONS

F. O. B. Factory in Ohio

FRAME—2-inch angle steel, electric welded together.

DRUM—20-inch diameter made of laminated wood strips turned perfectly true. Drum is covered with brussels carpet and sandpaper.

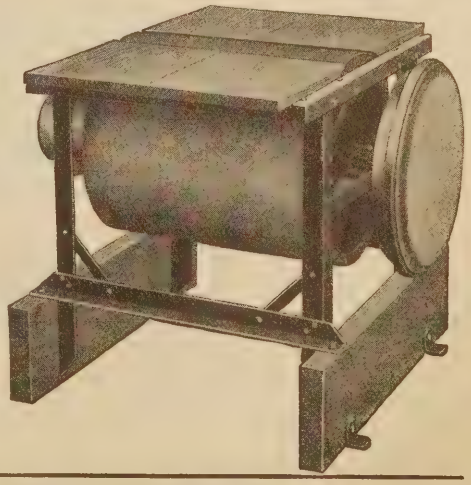
TABLE TOP—36 inches long and is made of well seasoned hard wood.

SAND DISK—18-inch diameter.

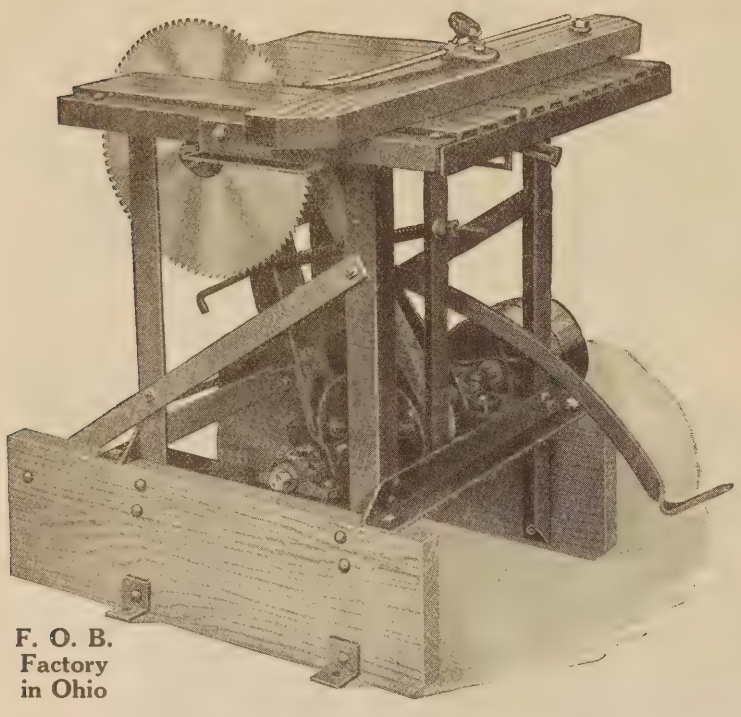
Shipping Weight, 300 lbs. Floor Space, 3 ft. x 3 ft. Pulleys to Belt to 10 x 4 in. Tight and Loose. Speed, 350 R. P. M. Power, 2 H. P.

No. 8-C-164. 24-inch Economy Sanding Machine, complete. Price..... $60.00

No. 8-C-166. 36-inch Economy Sanding Machine, complete (Shipping Weight 400 lbs.) Price..... $75.00



WOOD WORKING MACHINERY



F. O. B.
Factory
in Ohio

Swing Cut Off Saw

SPECIFICATIONS

FRAME—Is heavy angle steel, electric welded together.

TABLE TOP—Has heavy steel frame, electric welded, with channel steel slats.

MANDREL—$1\frac{3}{16}$-inch diameter, threaded one end and takes saws with 1-inch hole. A 12-inch saw will cut 1-inch stuff 15 inches wide, or 3-inch material 12 inches wide.

PULLEYS—The pulley on mandrel is 3 x 3-inch face; on lower shaft is 8 x 3-inch face and the pulleys to belt are 8 x 3-inch face, tight and loose. Speed, 900 R. P. M.

LOWER SHAFT—Is $1\frac{3}{16}$-inch cold-rolled steel.

SAWS—One 12-inch crosscut saw.

BELT—One 3-inch belt.

FLOOR SPACE—2 feet 2 inches by 2 feet.

SHIPPING WEIGHT—275 pounds.

No. 8-C-95. Alert Swing Cut-Off Saw, with one 12-inch cut-off saw and one 3-inch belt.
Price **$65.00**

Self-Feed Single Drum Sander

(Made in two sizes)

SPECIFICATIONS

FRAME—Heavy angle steel electric welded, no bolts to come loose. Machine is always in perfect alignment.

DRUM—Is 20 inches in diameter, built of laminated wood covered with heavy Brussels carpet and sand paper.

FEED ROLLS—Are of steel, ground true. Both upper and lower rolls are power driven. Entire upper mechanism can be elevated or lowered to sand any thickness of material up to 4½ inches.

TWO SPEED FEED—Provides for coarse and fine sanding and also is so arranged so that feed rolls can be stopped immediately.

OSCILLATING DEVICE—Is furnished on all these style drums. It is very simple in construction, consisting of three parts. Keeps sand paper clean and gives a better finish.

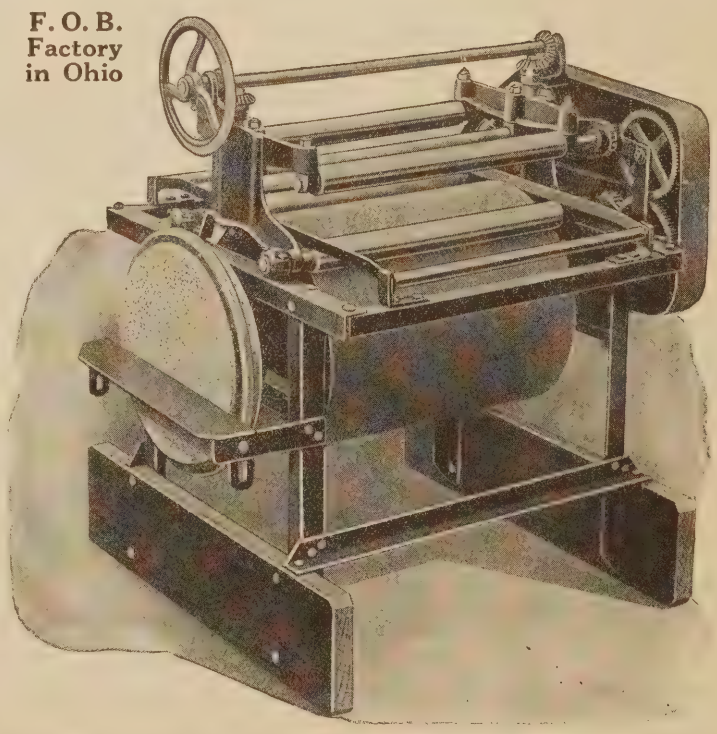
SAND DISK—Is 18 inches in diameter provided with an adjustable tilting table.

Shipping Weight, 660 lbs. Floor Space, 3 ft. 8 in. x 2 ft. 10 in. Tight and Loose-Drive Pulleys, 10 in. x 4 in. face. Speed, 300 R. P. M. Power, 3 H. P.

No. 8-C-142. Model S 24-inch Single Drum Sander.
Price **$150.00**

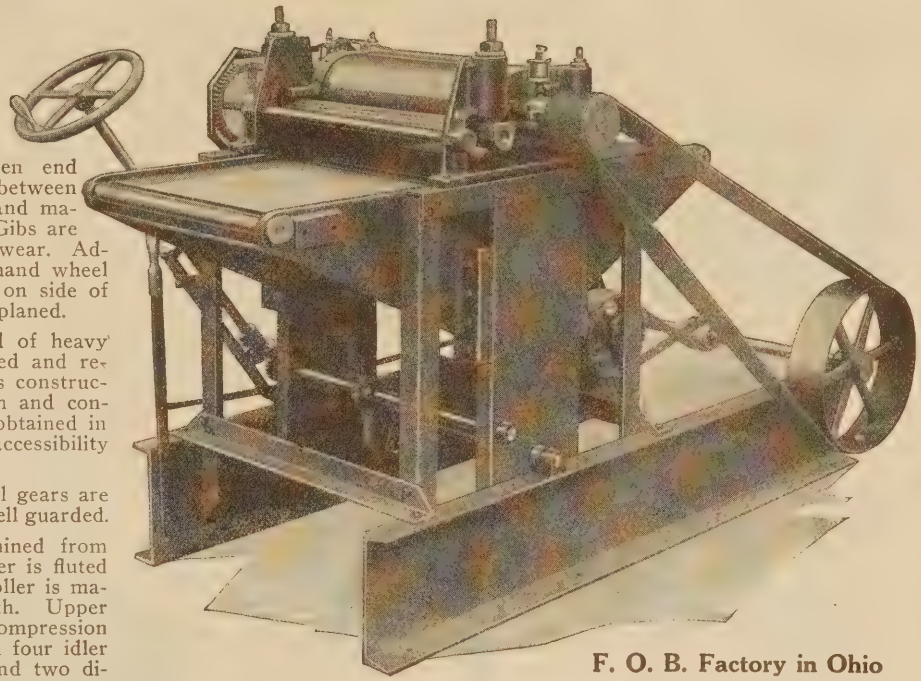
No. 8-C-147. Model S 36-inch Single Drum Sander, same as above, only 36 inches wide. Shipping weight 720 lbs. Floor space 4 feet 8 inches x 2 feet 10 inches.
Price **$200.00**

F. O. B.
Factory
in Ohio



WOOD WORKING MACHINERY

20-Inch Single Surface Planer



F. O. B. Factory in Ohio

SPECIFICATIONS

CAPACITY—Will plane material up to 20 inches wide by 8 inches thick.

TABLE—Length 45 inches between end rollers, width 20 inches wide between ledges. Table is cast in one piece and machined perfectly level and smooth. Gibs are provided on the sides for taking up wear. Adjustment for thickness is made by hand wheel at side. Brass index plate fastened on side of table for setting for thickness to be planed.

FRAME—The frame is constructed of heavy channel steel. It is electric welded and reinforced at all points of strain. This construction assures a maximum of strength and convenience of operation which is not obtained in the heavy cast iron planers. Easy accessibility to all working parts is a feature.

SELF FEED—Has two speeds. All gears are machined and exposed gearing is well guarded.

ROLLERS—Feed rollers are machined from solid bar steel. Front in-feed roller is fluted to insure positive feed. Rear feed roller is machined and turned true and smooth. Upper pressure rolls are equipped with compression springs. The table is provided with four idler rollers, one on each end of table and two directly under the feed rollers.

BEARINGS—The bearings for the cutter head are cast in the frame. The cylinder bearings are 5 inches long. All bearings are filled with the very best grade of high-speed babbitt and are provided with self-closing oil cups.

HEAD—Cutter head is turned and machined from solid bar steel. The pulley is also part of the solid bar. No keys or set screws to bother with. Furnished with three knives held firmly with planer bolts. Clearance for chips is provided for and the knives are fitted in milled grooves. There is no shearing action or strain on the knives and they can not work loose.

COUNTERSHAFT—$1\frac{5}{16}$-inch diameter with 4-inch bearings. Large pulley 16-inch diameter with 4-inch face.

Shipping Weight, 1,450 lbs. Floor Space, 3 ft. 6 in. x 5 ft. 6 in. Pulley to Belt to 10 x 4 in. face. Tight and Loose. Speed, 1,000 R. P. M Power, 5 H. P.

No. 8-C-117. Endurance Planer, complete with one 4-inch and one 2-inch belt. Price.....$340.00

12-Inch Jointer

SPECIFICATIONS

FRAME—Heavy 2-inch angle steel electric welded together. Base timbers are 2 x 10 Yellow Pine 5 feet long and are set 2 feet apart.

CUTTER HEAD—Round safety type made of solid steel and is furnished with four high speed steel knives.

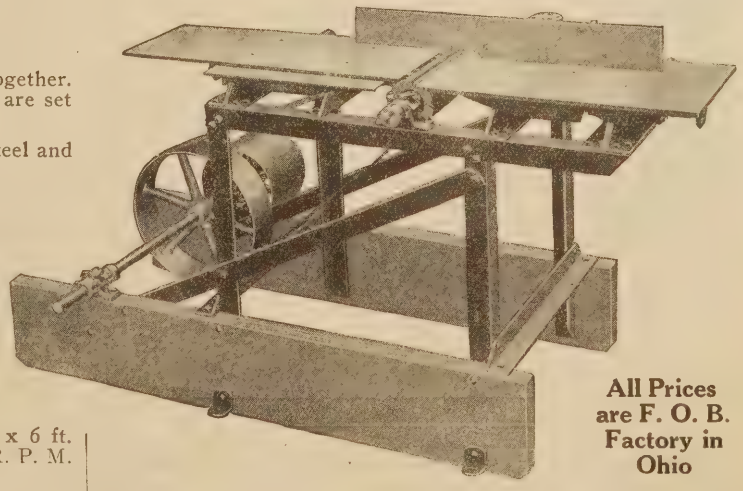
MANDREL—$1\frac{5}{16}$-inch diameter.

JOINTER PLATES—Both plates are ground to a true finish surface and have hand-wheel screw adjustment for raising and lowering to adjust depth of cut. Front plate is 14-inches wide by 24-inches long. Rear plate is 12-inches wide by 30-inches long. Rear plate has adjustable plate on the side for rabbeting.

COUNTERSHAFT—$1\frac{3}{16}$-inch diameter with 4-inch babbitted bearings. Large pulley 16-inch diameter by 4-inch face.

Shipping Weight, 450 lbs. Floor Space, 3 ft. 4 in. x 6 ft. Tight and Loose Pulley, 10 in. x 4 in. face. Speed, 550 R. P. M. Power, 2 H. P.

No. 8-C-131. Ideal 12-Inch Jointer, complete with 4-inch belt. Price $125.00

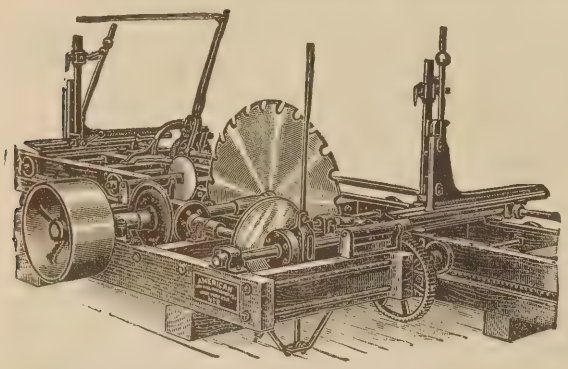


All Prices are F. O. B. Factory in Ohio

No. 8-C-132. Same machine wtihout countershaft belt. Price $100.00

SAW MILL MACHINERY

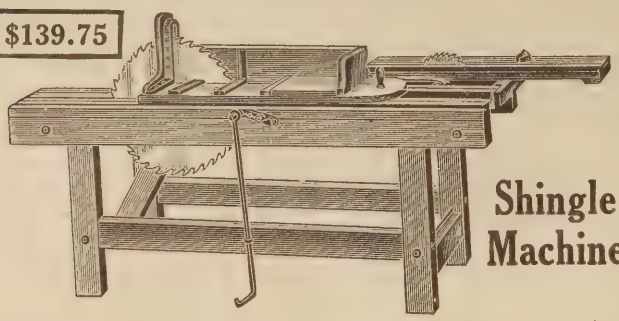
A High Grade Saw Mill



No-8-C-1200

Specifications of No. 1 Standard Saw Mill with cable drive.
Husk frame, 7′ long, 3′ wide, timbers 3½″x7½″.
Mandrel, 2 3/16″ dia., 58″ long, with pulley 20″x10″.
Length of carriage 16′, width 26″.
Size of carriage timbers, 3½″x5½″.
Number of trucks, 4, with 6″ wheels and 1⅛″ axles.
Length of steel track 40′.
Number of head blocks 2, with dogs.
Head blocks open 34″.
Length of set shaft 16′.
Weight of mill 2,800 lbs.
Capacity 2,000 to 6,000 ft. per day.
Price with cable drive (no saw)..... $395.00

$139.75



Shingle Machine

The Carriage is very sustantial and provided with a strong iron yoke that will admit saws up to 36-inch diameter. The underside is fitted with gibs, planed to fit the iron track to which they hold the carriage securely. These gibs are slotted to provide adjustment and to take up lost motion.

The thickness of shingle is regulated by an **adjustable tilting device** in the center board, which can be removed for cutting box boards, etc. The center board is adjustable to regulate the thickness of box boards and may be removed entirely for bolting or squaring shingle blocks. No separate shingle block bolter is required. Shingles drop out underneath as they are cut.

Power Feed is provided which is thrown into gear by pressure of the foot on the treadle, and the machine can be used either with hand or power feed.

The Mandrel is steel, with 6 inch collars and runs in self-oiling boxes, connected by heavy yoke with adjusting screw for regulating the lead of the saw.

An edger and knot saw is provided which has an 8-inch saw and a convenient gauge, insuring square, straight edge shingles.

Larger saw for bolting the stock can be furnished, when desired, at additional cost. 5,000 to 10,000 shingles per day can easily be cut. Experts have done more.

The machine will handle square, round, or split blocks up to 24 inches long.

Furnished complete with 24-inch shingle saw, 8-inch edger saw and feed and edger belts.

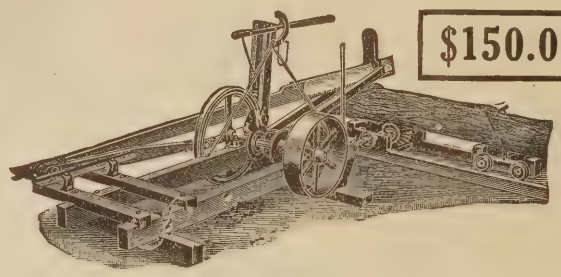
Dimensions:

Frame 7′ long, 2′ 5″ wide.
Power feed, 24″.
Driving Pulley, 6″x6″.
Power required, 4 to 8 H. P.
Carriage, 3′ 8″ long, 13″ wide.
Main Mandrel, 1 7/16″.
Weight, with edger, net, 625 lbs.; gross, 750 lbs.
Speed of 24″ Saw, about 1,200 revolutions.

Shipped from factory in New Jersey.
No. 8-C-2924. Price, with edger..... **$139.75**
No. 8-C-2925. Price, without edger..... **$125.00**
For making machine to cut 36-inch long, extra..... **18.75**

Friction Feed Drag Saw

$150.00



The Main Frame is 26 inches wide, 8½ feet long and is made of 3½x5½ inches seasoned hard wood strongly framed together, securely bolted and braced.

The Track is 27 inches wide, 16 feet long, made of 2¼x4 inch timbers, well framed together.

The Friction Feed is very simple, yet positive and effective. It will start, stop or reverse, instantly by very slight motion of the feed lever, without any effort on the part of the operator. It will not stick or get out of order and will last for years. This enables the operator to feed the logs ahead or back at will as much or little as desired, and stops at any point without running back or losing time.

The Balance Wheel is large and heavy and counter-balanced, imparting a strong, steady motion, and is arranged for changing the stroke from 16 inches to 20 inches or 42 inches.

The Log Truck is very substantial, having steel axles and two dogs for securely holding the logs.

The Saw is raised with one hand and the friction feed operated with the other, thus changing and setting for a new cut without slowing down or stopping. A strong, reliable saw guide is also provided.

Unless otherwise ordered, each machine is furnished complete with 24x6-inch driving pulley, long truck, power rolls, tumbling rod with two Universal Couplings, 16 feet of track and one 5 ft. 6 in. saw.

We can supply this Drag Saw without power feed and with a Ratchet Lever to operate the feed rolls, thus making a most desirable hand feed machine at very low price.

Capacity: 30 to 40 cords of wood per day, depending on kind of wood, power and speed.

Power required. Two to four horse power will operate to good advantage; more power will give machine greater capacity.

Speed recommended. 125 to 175 strokes per minute.

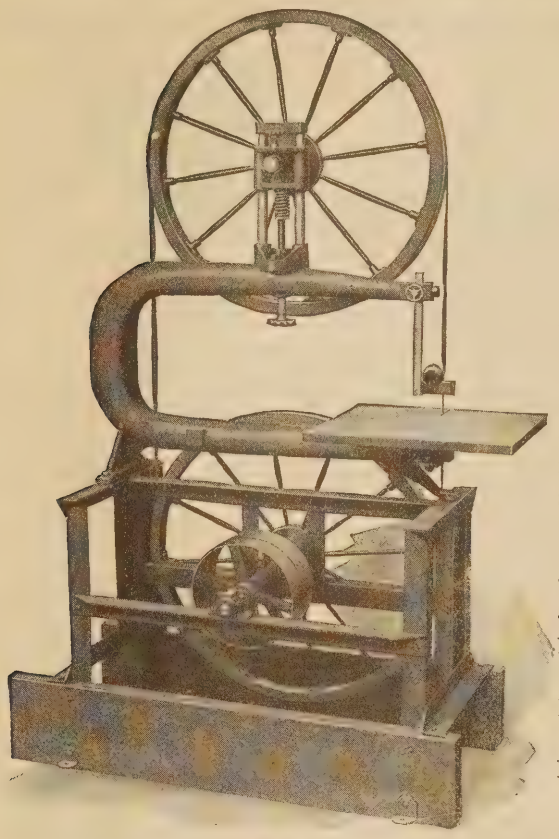
Length of stroke may be adjusted to 16 inches, 20 inches or 24 inches.

Weight complete, 1,150 pounds. Weight, packed for shipment, 1,300 pounds. Weight packed for export, 1,450 pounds, 51 cubic feet.

No. 8-C-1030. F. O. B. our factory in New Jersey.
Price, complete with 24x6 pulley..... **$150.00**
Price, complete with T. & L. pulleys..... **$160.00**
Price, complete without power feed but with hand ratchet feed **140.00**

F. O. B. FACTORY IN NEW JERSEY

WOOD WORKING MACHINERY



36-Inch Band Saw Machine

SPECIFICATIONS

FRAME—Heavy 2½-inch angle steel, electric welded together, 2 x 10-inch base timbers 4 feet long, set 2 feet apart.

BAND SAW—36-inch swing, cuts to center of 72-inch circle.

TABLE—Measures 24 x 30 inches, stands 40 inches from floor and can be tilted for sawing bevels.

SAW GUIDES—Has two saw guides, upper guide has ballbearing disc and can be raised to saw material up to 10 inches thick.

BAND SAW WHEELS—Are 36 inches in diameter by 2-inch face, are covered with endless rubber bands and take saws 17½ feet long. Upper wheel has tilting adjustment on top bar for leading saw with proper tension against guide. Adjustment is made while saw is running.

SHAFT—Is 1 3/16 inches in diameter, 4-inch full babbitted bearings and 12 x 3-inch tight and loose pulleys and belt shifter.

Shipping Weight, 650 lbs. Floor Space, 4 ft. 6 in. x 3 ft. 2 in. Tight and Loose-Drive Pulleys, 12 in. diam. x 3 in. face. Speed, 350 R. P. M. Power, 2 to 4 H. P.

No. 8-C-60. Jewel 22-inch Band Saw Machine, complete with one ⅜-inch band saw.....**$75.00**

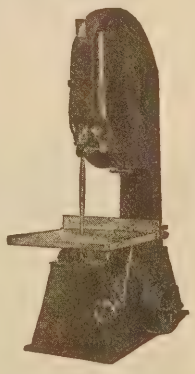
No. 8-C-64. Century Band Saw Machine, complete with one ⅜-inch band saw.....**$100.00**

No. 8-C-65. Jumbo 36-inch Band Saw Machine, complete with one ⅜-inch band saw.....**$125.00**

MOTOR DRIVEN BAND SAWS

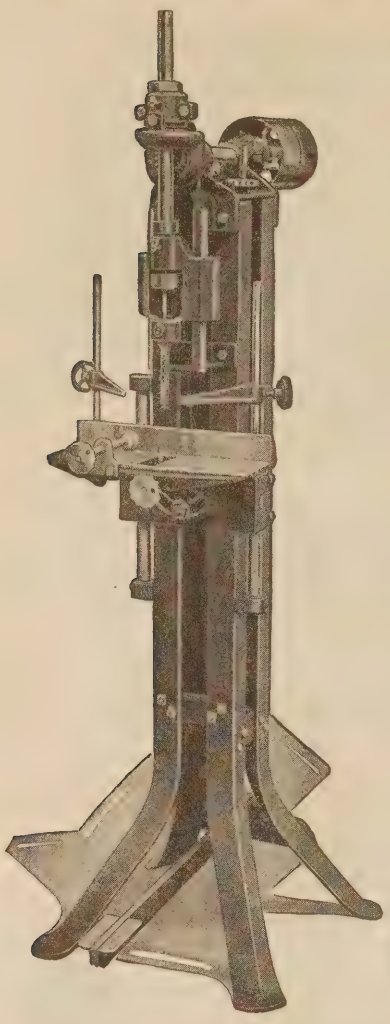
SPECIFICATIONS

MODEL	$225.00	$475.00	$900.00	$1,500.00
Height over all	60″	72″	86″	98″
Height of table from floor	38″	38″	38″	38″
Height of base	22″	24″	26″	30″
Height of main saw frame	38″	48″	60″	68″
Depth of main saw frame	13½″	25″	37″	50″
Width of main saw frame	4½″	5″	5½″	6″
Size of saw table	12″x12″	20″x24″	30″x38″	36″x48″
Size of auxiliary table	4″x9″	10″x24″	16″x30″	24″x36″
Floor space	15″x20″	20″x32″	40″x56″	54″x70″
Throat space { Depth	10″	22″	37″	46″
Throat space { Height	6″	12″	19″	22″
Diameter of wheels	12″	24″	36″	48″
Width of wheels	¾″	1¼″	1½″	2″
Length of saw blades	7′6″	11′6″	18′6″	22′6″
Width of saw blades	3/16″x¾″	3/16″ to 1¼″	3/16″ to 2″	3/16″ to 2″
S. K. F. self-aligning ball bearings	4	4	4″	4
Belt drive pulley—				
Single, flanged	1½″x4″	3″x8″	4¼″x12″	5″x16″
Split, double, each	1½″x4″	3″x8″	4¼″x12″	5″x16″
Hand adjusting wheel, spring mounted, diameter	2″	3″	4″	5″
Upper band wheel adjustment	2″	3″	4″	5″
Saw bearing on guide disc	1¼″	1¾″	2″	2½″
Speed—				
Band wheels, R. P. M.	1,200	600	400	300
Saw travel, feet per minute	3,800	3,800	3,800	3,800
Weight of belt driven outfit, complete	200 lbs.	500 lbs.	1,250 lbs.	2,000 lbs.
MOTOR DRIVEN OUTFIT				
Motor, 1,200 R. P. M., any specification	¼ H.P.	1 H.P.	3 H.P.	5 H.P.
Motor drive	Direct	Geared	Geared	Geared
Motor driven outfit, extra weight	100 lbs.	150 lbs.	250 lbs.	300 lbs.



All Prices are f. o. b. our Factory

WOOD WORKING MACHINERY



Upright Hollow Chisel Mortising and Boring Machine

Shipping weight, 250 lbs.; floor space, 1 ft. 10 in. x 2 ft.; tight and loose drive pulleys, 5 in. x 3 in. face; speed, 900 r. p. m.; power, 1 h. p.

No. 8-C-135. New Rapid Upright Hollow Chisel Mortising and Boring Machine, complete with one ⅜-in. hollow chisel and bit and one ⅜-in. boring bit. Price.....**$100.00**

SPECIFICATIONS

CAPACITY—Mortises of almost any size can be made by repeating the cut either lengthwise or crosswise. Chisel bits mortise up to 3 in. deep, but mortises up to 6 in. deep can be made by reversing the work.

FRAME—2-in. angle steel, securely bolted and riveted together.

BED PLATE—Tilts to angle of 45 degrees and is adjustable to and from stand and will take up 3 inches to center of bit. Can be lowered to take in 12 inches below point of bit.

CHUCK—Takes hollow chisel bits from ¼ to ⅝-in. and boring bits with ½-in. shank from ¼ to 2 in.

FOOT TREADLE—Gives a powerful pull, forcing chisel and bits into the work.

SHAFTING—Is 1 in. in diameter with 3-in. babbitted bearings, 5x3 in. tight and loose pulleys with belt shifter.

F. O. B. Factory in Ohio

Gang Lath Machine

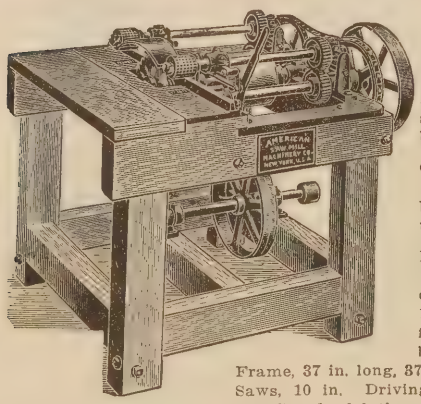
Lot No. 8-C-3500

THE MANDREL is of the best grade steel, turned and polished, and runs in babbitted boxes and may be fitted for any number of saws, from three to six, as may be ordered, but usually only three saws are furnished.

SPRINGS are provided for regulating the pressure of the rolls on the stock, and the tension may be changed as desired.

CHANGING SAWS is very easily and rapidly done by removing a section of the table.

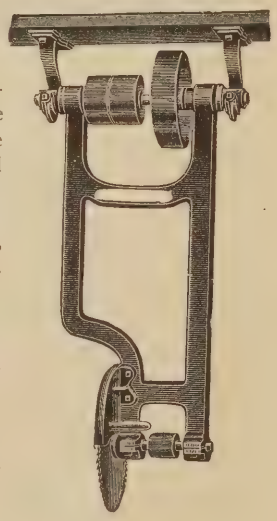
MACHINE can be fitted to cut pickets, chair stock or any small squares from 1¼x1½ in. up to 2x2 in., for which extra charge will be made.



Frame, 37 in. long, 37 in. wide, 27 in. high. Lath Saws, 10 in. Driving pulleys on mandrel, 8x8 in. Speed of lath saws, 2,700. Weight of machine, net, 675 lbs. Weight packed for export, gross, 800 lbs. Cubic measurement, about 25 cubic feet. Capacity, 30,000 to 40,000 laths per day.

Price (with 3 saws)...$209.30 Price (with 5 saws)...$222.10
Price (with 4 saws)... 215.65 Price (with 6 saws)... 228.50
Bolting attachments $90.00 extra. F. O. B. our factory in New Jersey.

Swing Cut-off Saws



This Machine can be used for a large variety of light work, and is especially useful in woodworking establishments where a large, heavy frame is unnecessary. The length of frame is such that it may be suspended over an ordinary work bench.

The Frame is of solid cast iron, strong and very rigid. None of the weight of the frame is borne by the shaft or bearings, as the frame swings on trunnions which are carried by the hangers. The mandrel and pulley are turned from solid steel.

The Guard for the saw is provided with a handle for operating the frame.

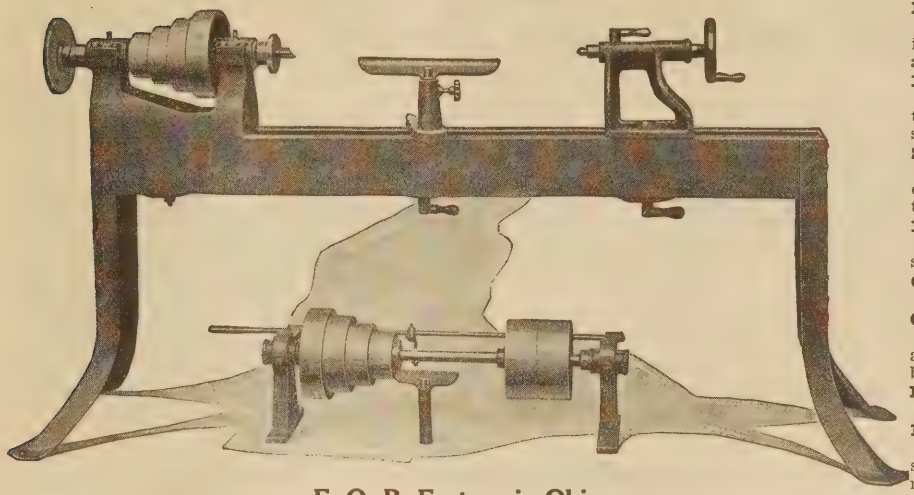
DIMENSIONS:

Length from countershaft to mandrel, 3 ft. 6 in. Drop of hangers, 8 in.
Diameter of countershaft, 1 7-16 in.
Tight and loose pulleys, 6x3 in. Speed, 450 r. p. m.
Drive pulley, 12x3 in.
Mandrel pulley, 3x3 in.
Takes saws with 1-in. hole and up to 16-in. diameter.
Shipping weight, 200 pounds.

8-C-1000. F. O. B. factory in New Jersey.
Price, complete, except saw.....**$39.75**

WOOD WORKING MACHINERY

16-Inch Turning Lathe



F. O. B. Factory in Ohio

SPECIFICATIONS

HEAD AND TAIL STOCK will swing up to 16-inch in diameter and takes 40 inches between centers when mounted on a 6-foot bed.

LATHE BED is made of channel steel with angle steel legs which are electric welded together, making a very substantial bed.

SPINDLE is 1½-inch diameter, threaded both ends so face plate can be used on either end. Spur center has No. 2 Morse taper.

FACE PLATES, two sizes are furnished, large size 9¼-inch diameter; small size 4¼-inch diameter.

CONE PULLEY is 4-step cone type which takes 2-inch belt.

COUNTERSHAFT has cone pulley to match cone pulley on lathe head. Tight and loose pulleys are 8-inch diameter by 3-inch face.

BEARINGS are well babbitted and are equipped with oiling devices.

No. 8-C-31. PROGRESS 16-INCH TURNING LATHE, complete with 6-foot bed, spur center, two face plates, two chisel rests and countershaft. Shipping weight about 500 pounds. Price.....$135.00

SPECIFICATIONS

HEAD AND TAIL STOCK will swing material up to 13 inches in diameter. Bed can be made as long as desired to suit work to be done.

SPINDLE is 1⅜-inch diameter, threaded both ends for face plates. Spur center has No. 2 Morse taper.

CONE PULLEY is 3-step cone type which takes 1½-inch belt.

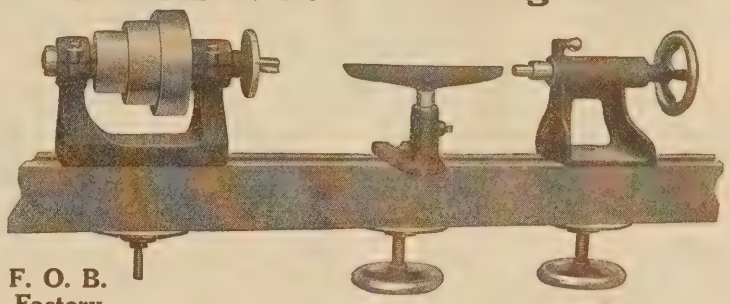
FACE PLATES, two sizes are furnished, 9¼-inch and 4¼-inch diameter.

COUNTERSHAFT has 3-step cone to correspond with cone pulley on lathe head. Tight and loose pulleys are 8-inch diameter by 3-inch face.

BEARINGS are well babbitted and equipped with proper oiling devices.

No. 8-C-29. ENTERPRISE 13-INCH WOOD TURNING LATHE, complete with spur center, two face plates, two chisel rests and countershaft. Shipping weight, 150 pounds. Price.....$80.00

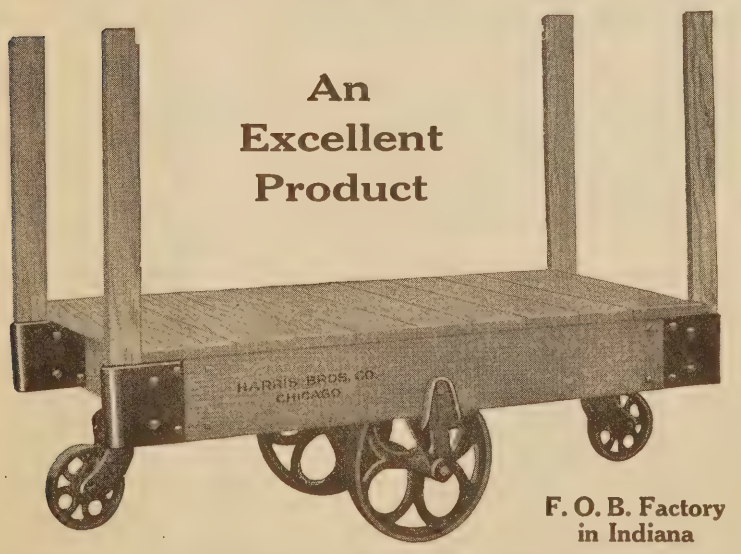
13-Inch Wood Turning Lathe



F. O. B. Factory in Ohio

Consists of Metal Parts Only

HARRIS FACTORY TRUCK



An Excellent Product

F. O. B. Factory in Indiana

$12.00

No. 8-C-1406

Very strong hardwood understructure, 1½x6 inches framed and bolted; additional bolts running entire width of truck; stake pockets of heavy formed steel plates; hardwood platform ⅞ inch, well nailed; removable hardwood stakes, 2¼x1½x38 inches; axle 1-inch cold rolled steel with machined bearings; exceptionally heavy cast bracket with 2⅜-inch bearing; ball bearing swivels, set in so as to clear ends of truck; all woodwork thoroughly oiled and metal japanned.

No. 1

12-inch center wheels, 6-inch swivel wheels, platform height, 15 inches

24x48 inches	$12.00
30x54 inches	13.50
36x60 inches	14.75

All platforms are screwed to understructure instead of nailed

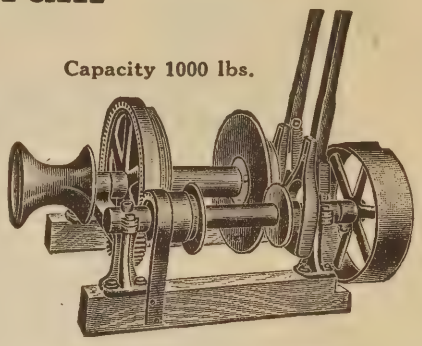
Belt Driven Power Hoists

Single and Double Drum

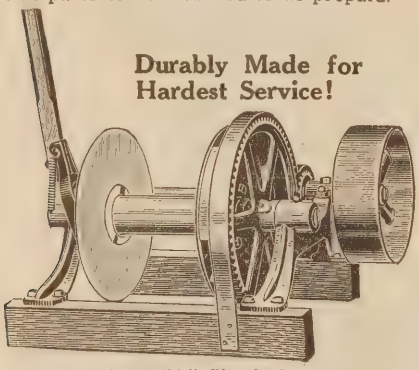
This powerful machine designed especially to save time and labor in unloading hay with regular harpoon fork or sling in connection with track and carrier. The machine will save one man and team, the man on the load operating the machine by simply pulling a line attached to a lever whenever he has the fork or sling ready to hoist. The machine stops pulling instantly when the lever line is released, the load may be dropped at any point and the fork or sling returned to the starting point, by hand, power or by means of a weight, as desired. If the fork fails to operate properly, the operator may allow the load to return gently to the starting point, or by allowing friction to slip, may hold load at fixed point. The machine is safe to operate, as it pulls strong and steady, and is under instant control.

The machine, equipped in the various types described below, is adaptable for all kinds of pulling within its capacity, such as operating a hay fork, hoisting ice, loading boats, hoisting contractor's material, operating fence post or pile driver, scraping dirt, etc. Finish—Made of good material, well painted and all parts found defective in material or workmanship within one year will be replaced without charge. Defective parts to be returned to us prepaid.

Capacity 1000 lbs.



Type "B" Double Drum



Durably Made for Hardest Service!

Type "A" Single Drum

Specifications and Prices:

Large Drum—Diameter of center, 4 inches; diameter of flange, 18 inches; length inside flanges, 12 inches. Capacity of drum, 240 feet 1-inch rope.

Small Drum—Diameter of center, 2¾ inches; diameter of flanges, 7 inches; length inside flanges, 10 inches. Capacity, 160 feet ⅜-inch rope.

Size of Large Gear—Diameter, 19 inches, 76 teeth. **Size of Pinion**—Diameter, 5 inches; 20 teeth; ratio, 3⅘ to 1. **Pulley**—14 inches in diameter; 5½ inches face. In ordering state diameter, face of engine pulley, H. P. of engine and speed at which it runs. Hoist will be equipped with proper pulley to correspond. **Horse Power**—2 to 6. **Speed of Hoist Pulley**—200 to 300 revolutions per minute. **Capacity**—Main drum may be run in either direction. and will hoist direct pull 1,000 pounds, and will easily hoist 1,500 pounds of hay from load, or where double line of rope is used. **Size of Drum Shaft**—1 11/16 inches. **Size of Pulley Shaft**—1 7/16 inches. **Length of Skids**—2 feet 7 inches. **Weight**—275 lbs., Single Drum Hoist. 300 lbs., Double Drum Hoist. **Floor Space**—2 feet 7 inches by 2 feet 10 inches.

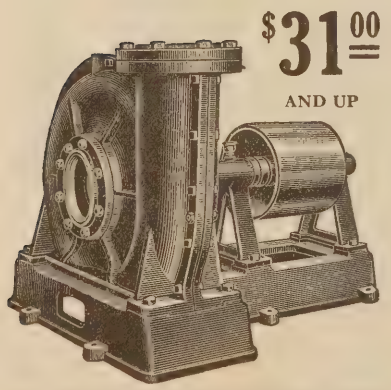
8-C-4100.	Price—Type "A" Single Drum Hoist	**$45.00**
8-C-4102.	Price—Type "B" Double Drum Hoist	**57.50**
	Price—Extra for Brake, single or double drum hoists	**6.75**
	Price—Extra for Winch Head	**6.75**

Type "MM" Extra Heavy Two-Drum Hoist—Capacity, 3,000 lbs. on single line. Drums, 5-inch diameter, 20 inches between flanges, with foot brakes. Belt pulley, 18-inch diameter, 5-inch face. Gear ratio, 6 to 1. Weight, 1,000 lbs. Price **$147.50**

Type "MN" Extra Heavy Two-Drum, with foot brakes and one-winch head **155.00**

F. O. B. Factory in N. Y.

"Modern" Side Suction Centrifugal Pump



$31.00 AND UP

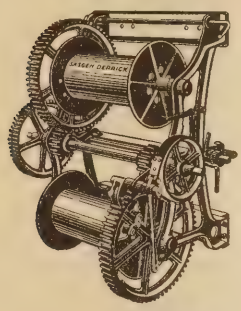
New "Modern" Horizontal Side Suction Centrifugal Pump

The pumps shown are the types used most extensively for general purposes and all irrigating and drainage service not exceeding 50 feet total pumping head. Large pulley is supported on either side by long bearings, furnished with brass compression grease caps. Only genuine babbitt metal is used in our bearings. Extra long stuffing box with packing gland is provided on shaft to insure operation without attention. We supply free the companion flanges for both suction and discharge openings. All parts of these pumps are accurately made and are interchangeable and can be promptly duplicated at any time.

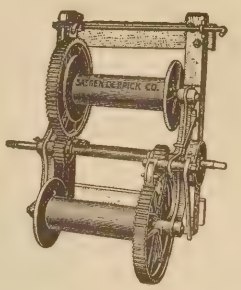
Accessories, such as foot valves, flap valves, steam primers, etc., can be supplied at extra charge.

Sizes, capacity and prices of "Modern" Side Suction, Brand New Centrifugal Pumps, F. O. B. Factory, Style 8-Z-85 with hand suction primer.

No. Pump	Capacity Gallons, Minute.	Size	Pipe	Diam. x Face, Pulley, Inches	Styles 8-C-35. Without Primer
		Discharge	Suction		Iron
1½	70	1½ in.	2 in.	5 x 5	**$ 31.00**
2	120	2 "	3 "	6 x 6	**39.00**
2½	185	2½ "	3 "	6 x 7	**55.00**
3	270	3 "	4 "	7 x 7	**69.00**
4	470	4 "	5 "	10x10	**80.00**
5	750	5 "	6 "	12x12	**105.00**
6	1100	6 "	8 "	14x14	**125.00**
8	2000	8 "	10 "	16x14	**210.00**
10	3000	10 "	12 "	18x16	**260.00**



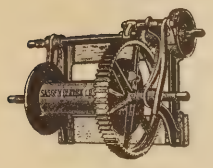
HOISTING DERRICKS AND WINCHES



DOUBLE DRUM DOUBLE PURCHASE WINCH

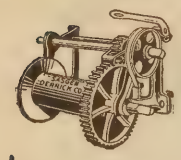
Gears and Frame Made of Best Malleable

No.	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	PRICE EACH
150	9 x 14	22 x 15—4	10,000	20,000	$135.00
151	9 x 16	" " "	"	"	139.00
152	9 x 18	" " "	"	"	143.00
153	9 x 20	" " "	"	"	147.00
154	9 x 22	" " "	"	"	157.00



DOUBLE DRUM SINGLE PURCHASE WINCH

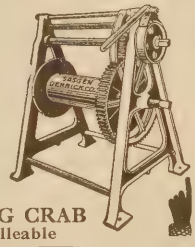
No.	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	PRICE EACH
140	5 x 14	18 x 4	3,000	6,000	$ 82.00
141	5 x 16	" "	"	"	85.00
142	5 x 18	" "	"	"	88.00
143	7 x 14	" "	"	"	89.00
144	7 x 16	" "	"	"	92.00
145	7 x 18	" "	"	"	95.00
146	7 x 20	" "	"	"	98.00
147	7 x 22	" "	"	"	100.00



SINGLE DRUM SINGLE PURCHASE WINCH

Gears and Frame Made of Best Malleable

No.	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	PRICE EACH
129	5 x 12	18 x 4	3,000	6,000	$ 48.00
130	5 x 14	" "	"	"	50.00
131	5 x 16	" "	"	"	52.00
132	5 x 18	" "	"	"	54.00
133	7 x 14	" "	"	"	55.00
134	7 x 16	" "	"	"	57.00
135	7 x 18	" "	"	"	59.00
136	7 x 20	" "	"	"	61.00



JUNIOR SINGLE DRUM SINGLE PURCHASE WINCH

Gears and Frame Made of Best Malleable

No.	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Capacity 1 Man 2 Lines Lbs.	Capacity 2 Men 4 Lines Lbs.	PRICE EACH
5	4½ x 10	10 x 3	1,500	3,000	$ 24.00
6	4½ x 12	" "	"	"	26.00

SINGLE PURCHASE HOISTING CRAB

Gears and Frame Made of Best Malleable

No.	Diameter and length of Drum, Inches	Diameter of Gear and Pinion, Inches	Lift 2 Men 2 Lines Lbs.	Lift 2 Men 4 Lines Lbs.	PRICE EACH
120	5 x 16	18 x 4	3,000	6,000	$ 68.00
121	5 x 18	" "	"	"	70.00
122	5 x 20	" "	"	"	72.00
123	5 x 22	" "	"	"	74.00
124	7 x 16	" "	"	"	75.00
125	7 x 18	" "	"	"	77.00
126	7 x 20	" "	"	"	79.00
127	7 x 22	" "	"	"	81.00

1,000-lb. Capacity All Steel Derrick

$58.00

Champion

Swings full circle. Built of all steel. Fittings malleable.

$88.00

Has self-lubricating bushings, load and boom brake. Boom can be removed in a few seconds. Bottom sills and mast fold together, making it in two parts, compact enough so that a contractor can haul it to jobs in his auto. Capacity 1,000 lbs., weighs only 200 lbs. Can be operated by hand, horse or power. Height, 7½ feet; boom extends 5 ft. Equipped with 110 ft. crucible steel cable, block, cleats and bolts for fastening, complete ready for work. Is very practical for hoisting flooring, joists, wheelbarrows on two and three story buildings.

Price, hand power..... **$58.00**
Price, hand and power..... $59.50
Extra cable, per ft..... .08

Drum holds 135 ft. cable.

2,500-lb. Capacity Standard Derrick. Swings full Circle. All Steel. Fittings Malleable Iron.

1,800-lb. Capacity Peerless

Swings Full Circle. Built of All Steel. Fittings Malleable

Has self-lubricating bushings, load and boom brake, can be used, hand, horse or power. Boom can be taken off in an instant. The bottom sills and mast fold together, making it easy to remove or put up. Many contractors haul them to jobs in their automobiles. For the above reasons the machine is almost indispensable to contractors who build from 2 to 4 story buildings; for hoisting joists, timbers, iron, stone, terra cotta, reinforcing bars, wheelbarrows, etc. Capacity, 1,800 lbs., weight 275 lbs., height 8 ft., swing 10 ft. Equipped with 125 ft. crucible steel cable, block, cleats and bolts for fastening, complete, ready for work.

Price, hand power..... **$67.00**
Price, hand and power..... $69.00
Extra cable, per ft..... .08

Drum holds 175 ft. cable.

Is Equipped with a Geared Winch. Can Be Used Hand or Power. Built Strong and Durable

Has boom and load brake and is built so that the boom can be quickly detached. Mast folds to bottom sills, making it easy to take apart or set up. For hoisting loads 1,500 to 2,500 lbs. by hand or power our STANDARD CIRCLE SWING DERRICK has no equal and is the only full circle swing builder's derrick that capacity. Capacity 2,500 lbs., weight 350 lbs., height 8 ft., swing 10 ft. Equipped with geared winch, 150 ft., ⅝ in. steel cable, block, cleats for fastening, complete, ready for use.

Price, hand power..... **$88.00**
Price, hand and power..... $92.00
Extra cable, per ft..... .08¼

Drum holds 275 ft. cable.

Hand Power Elevators

CONSTRUCTION

CAR—Made rigid, and is strongly ironed and braced.
CABLES—Three cables, two hoisting and one counter-weight cable, are used. These cables have an ultimate strength ten times greater than the rated capacity of the elevator. The Center Lift construction is undoubtedly the best, as the platform always hangs straight and can not bind. There is consequently no unequal strain on the cables, as may be the case with the side lift elevators.
ROPE WHEEL—Wood rope wheel is furnished.
OPERATING ROPE—Strong manila rope made endless. The elevator can be built to have the hand rope wheel on either side, as desired.
BRAKE ROPE—Of convenient diameter and proper length and strength.
SPUR GEAR WHEELS—Extra heavy and cast from cut patterns—the very truest and best that can be made.
COUNTER-BALANCE WEIGHTS—Made in sections so that the desired adjustment may be secured. We furnish enough of these weights to lift the car with a light load.
SAFETY BRAKE—A self-holding shoe brake, and will not drag and make a noise. The platform, with a full load, can be firmly locked at any point. The operator has full control of the car at all times.
DRUMS—Made of wood, and are turned in a lathe, and perfectly smooth.
TOP FRAME—We have done away with the old fashioned, clumsy frame work found on elevators of the old type. See how simple is our frame work. We make this part of the elevator unusually strong and heavy, and as a result we receive no complaints as to the operation of our machines.

The car can be operated or controlled from the platform or any floor.

For **simplicity, safety, quickness** and **easy running** this is undoubtedly the best cable lift elevator on the market. Our complete outfit consists of the elevator complete with all wood work and iron work—complete elevator ready to set ino place.

HOW TO ORDER

When ordering or asking for estimate of cost it would be well to give the following information: Give the height of each story of building from top-of-floor to top-of-floor, with the height of the top story in the clear.

Give total number of feet travel. The clear height of the top floor should not be less than 10 feet. (A greater space than this in many cases would be better to prevent crowding.)

State on which side you would prefer to have the hand rope wheel, whether left hand or right hand side when standing in facing the front.

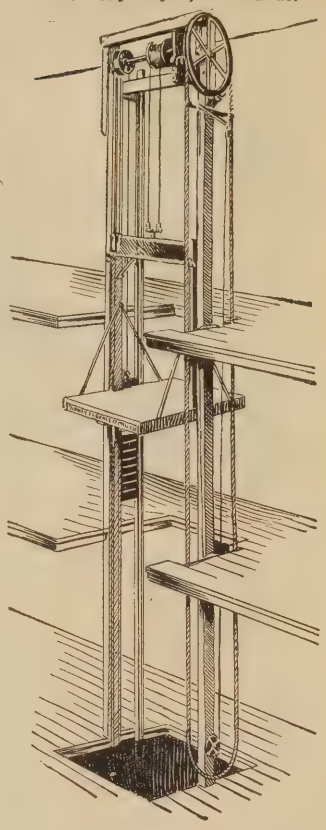
Give the size of platform wanted and the maximum lifting capacity; or state size of the existing hatchway, if we are to make an elevator to fit a certain size of opening.

Drawings and Instructions for Installing

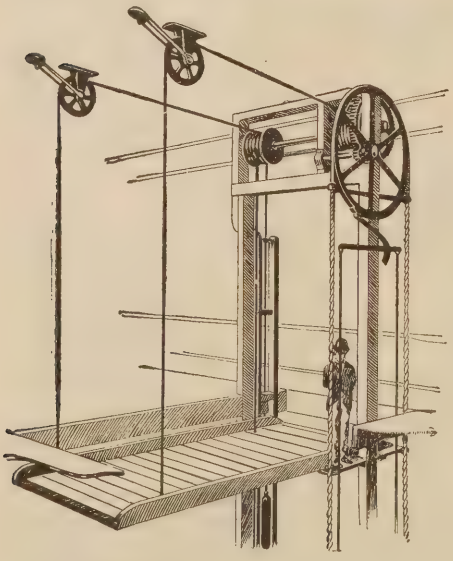
Are sent with each elevator, so that any carpenter can install without difficulty. All our machines are made with a view to simplicity throughout, and are therefore easier to erect and at less expense for labor than others.

8-C-550. 4x4 Platform complete with 10 foot lift..... **$150.00**
8-C-552. 2x5 Platform complete with 10 foot lift..... **$155.00**
8-C-554. 4x6 Platform complete with 10 foot lift..... **165.00**
8-C-556. 5x6 Platform complete with 10 foot lift..... **175.00**
8-C-560. 5x7 Platform complete with 10 foot lift..... **185.00**
8-C-562. 6x7 Platform complete with 10 foot lift..... **195.00**
8-C-564. 6x8 Platform complete with 10 foot lift..... **200.00**
We can furnish above elevators at 2,000 lb. capacity at, extra..... **25.00**
For each additional foot of lift over ten feet add..... **2.00**
Safety Clutches or Locks. Set of four. Extra..... **25.00**

Complete with 4 Ft. x 4 Ft. Platform. Other Sizes up to 6 Ft. x 8 Ft. Capacity 1,000 Pounds.



Built for Any Travel **STRONG, DURABLE AND EASY RUNNING CARRIAGE ELEVATORS** Cars of Any Desired Size



These Elevators are made strong and durable, and are very easy running, all of which features are most important. The necessary journals are fitted with Roller Bearings which run with inappreciable friction. These Bearings require no attention, and only occasional oiling. All Ropes are placed inside the Hatchway, making it convenient for the operator when he is running the elevator, standing on the platform. This arrangement also does away with the unnecessary friction between the floor and the ropes.

The Breaking Strain of the Lifting Cables is many times that of the rated capacity of the elevator—therefore providing a **Large Factor of Safety.**

The carriage elevator can be used without posts on rope side on floors, except the top, but guide posts are preferable—just sufficient to keep the platform from swinging. Both styles designed especially for carriage factories, livery stables, agricultural warehouses, etc., and are more suitable for such than a center lift. This elevator has our improved brake and **Safety Stop** at top floor to keep platform from running too high. The Counterweight may be run down any convenient wall at a distance, if necessary.

CONSTRUCTION

PLATFORMS—Made rigid and are strongly ironed and braced.
CABLES—Five cables—four hoisting and one counter weight cable are used. These cables have an ultimate strength ten times greater than the rated capacity of the elevator.
LARGE ROPE WHEEL furnished.
OPERATING ROPE—Strong Manila Rope made endless.
BRAKE ROPE—Of convenient diameter and proper length and strength.
SPUR GEAR WHEELS—Extra heavy and are cast from cut patterns—the very truest and best that can be made.
COUNTER-BALANCE WEIGHTS—Made in sections so that the desired adjustment may be secured. We furnish enough of these weights to lift the car with a light load.
SAFETY BRAKE—A self-holding shoe brake, and will not drag and make a noise. The platform with a full load can be firmly locked at any point. The operator has full control of the car at all times.
DRUMS—Made of wood, and are turned in a lathe, and perfectly smooth.
TOP FRAME—Which supports the machinery is built of well seasoned lumber, properly braced so as to be rigid. We make this part of the elevator unusually strong and heavy, and as a result, we receive no complaints as to the operation of our machines. For **Simplicity, Quickness** and **Easy Running** this carriage elevator excels, and is undoubtedly the best machine on the market.

8-C-565. 6x10 Platform complete with 10 foot lift..... **$186.00**

8-C-566. 6x12 Platform complete with 10 foot lift..... **$195.00**
8-C-567. 6x14 Platform complete with 10 foot lift..... **200.00**
8-C-568. 7x12 Platform complete with 10 foot lift..... **210.00**
8-C-569. 7x14 Platform complete with 10 foot lift..... **220.00**
8-C-570. 7x16 Platform complete with 10 foot lift..... **$225.00**
8-C-571. 7x18 Platform complete with 10 foot lift..... **235.00**
We can furnish above elevators at 2,000 lb. cap. at, extra..... **25.00**
For each additional foot of lift over ten feet add..... **2.00**

F. O. B. Factory

New Standard Water Tube Boilers with Steel Casings

Standard 3 Pass Cross Drum Water Tube Boilers

HORSE POWER 250

Boiler Fittings: The following fittings are included with each boiler:
One 3" duplex safety valve.
One double spring steam gauge.
Two ¾" glass water gauges, quick closing type.
Three gauge cocks.
Two 2" globe stop valves for main and auxiliary feeds.
Two 2" angle check valves for main and auxiliary feeds.
One 1½" bottom blow valve.
One 1½" surface blow valve.

Accessories: The following accessories are included with each boiler:
Grate bars.
Fire bricks.
Insulating material.
Tapered plugs for hollow staybolts.

Weights: The approximate shipping weight of our 250 H. P. boiler is 50,000 lbs. complete.

Working Pressure	200 lbs. gauge
Hydrostatic Test Pressure	400 lbs. gauge
Heating Surface	2518 square feet
Grate Surface	74 square feet
Ratio H. S. to G. S.	34 to 1
Furnace Volume	280 cubic feet
Number of 3-inch straight tubes, 7 feet 9⅝ inches long, No. 9 B. W. G.	89
Number of 3-inch straight tubes, 7 feet 9⅝ inches long, No. 10 B. W. G.	298
Number of 3-inch bent tubes, about 6 feet 5 inches long, No. 10 B. W. G.	11
Number of 3-inch bent tubes, about 6 feet 4 inches long, No. B. W. G.	10
Height to steam outlet from floor	13'-8"
Width over side casing	13'-8"
Depth at floor line	7'-10½"

SMOKE STACKS

Just now our stock of smoke stacks is complete in all sizes from 6 inch diameter to 72 inch diameter. We also receive regularly, in connection with our big purchases, self supporting smoke stacks in all sizes. What can you use? Let us know your needs.

We Guarantee Material and Workmanship of All Smoke Stacks and Connections.

SPECIAL BARGAINS—In connection with our purchases of complete power plants, we generally have on hand a large number of fine second-hand stacks. Any second-hand stack that we furnish is guaranteed to be in a good sound condition. All stacks are painted with a special black mineral paint that protects the metal from the weather.

SPLENDID FACILITIES—We can furnish Smoke Stacks, Boiler Breechings, Smoke Boxes and Extensions in any size and shape. With our unusual facilities we can save you money on any purchase that you may make in this line.

OUR PRICES—When writing for quotations on stacks be sure to specify whether the plain or round stack (the same diameter at the base as at the top) is required. Where there is a tapering, round or oval base or an umbrella top there will be an extra charge. Quotations include the guy and top bands.

REMEMBER—In ordering round and oval bases, always give the outside measurements of the collar over which they fit; if for round bases give the diameter; if for oval base, give the outside measurements of both the length and width of the oval through the center.

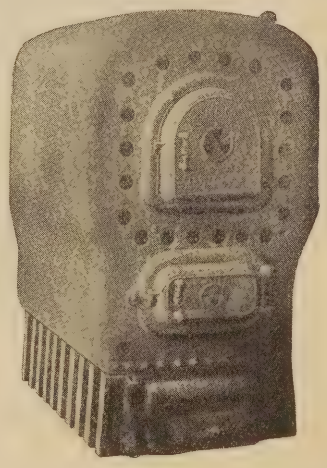
Steam Jacketed Kettles

$65.00

8-C-131—50 cast iron steam jacketed kettles, heavily constructed; tested to 125 lbs. pressure. 32 in. diameter, 24 in. deep, capacity 80 gals. Conical shape bottom. Made by Mott Iron Works. Special low quick sale price.....$65.00

KEWANEE

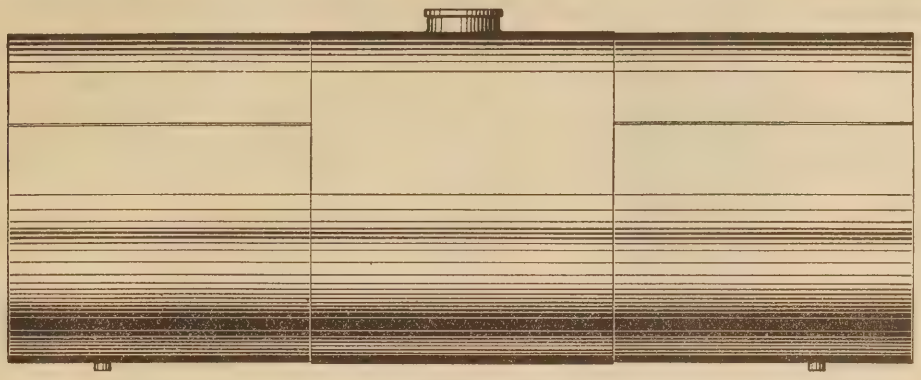
Water Heating Garbage Burners



8-C-132—Ten Kewanee No. 45, water heating garbage burners, type H. Splendid condition, 95% new, capacity per hour 50 degrees raise, 2,600 gallons; capacity garbage chamber 12 bushels, height over all 71 in., floor space 38 in. x 60 in., size over all 38 in. x 56 in. 1 flow and 1 return flange, each 4 in., diameter of smoke pipe 12 in., capacity 4,000 lbs. Price loaded on board cars.....$300.00

A Great Purchase of New Storage Tanks

Capacity 10,000 to 20,000 Gallons



¼ in. Plate in Heads and 3/16″ Shell

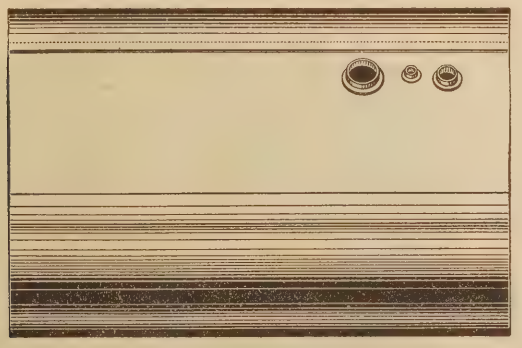
For Storing Oils, Gasoline, Kerosene, Naphtha, Etc.

A limited number of these high grade, brand new storage tanks have come to us along with a big purchase just completed. The product of one of America's most reputable tank builders, whose name would be quickly recognized in every section of the country where best tanks are demanded and used. But the conditions of our purchase prevent us from making known their name in our announcements, because we are offering these tanks for sale at greatly reduced prices from the regular markets. These tanks have flat heads with manhole in shell. Suitable for the storage of oils, gasoline, kerosene, naphtha and other liquids.

Write for Special Low Quick Sale Price of the Size You Require!

Lot No. 1.	**Diameter 10 ft. 6 in.**	**Length 15 ft. 6 in.**	**Capacity approximately 10,000 gallons each**
Lot No. 2.	**Diameter 10 ft. 6 in.**	**Length 18 ft.**	**Capacity approximately 12,000 gallons each**
Lot No. 3.	**Diameter 10 ft. 6 in.**	**Length 23 ft. 8 in.**	**Capacity approximately 15,000 gallons each**
Lot No. 4.	**Diameter 10 ft. 6 in.**	**Length 31 ft. 4 in.**	**Capacity approximately 20,000 gallons each**

Underground Gasoline Tanks



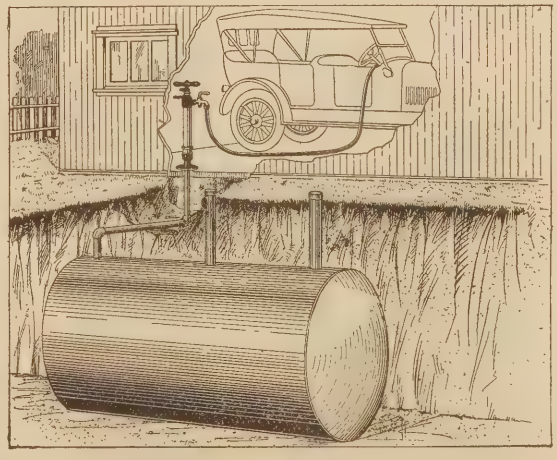
3/16″ Electric Welded Plate

Capacity 1,000 Gallons

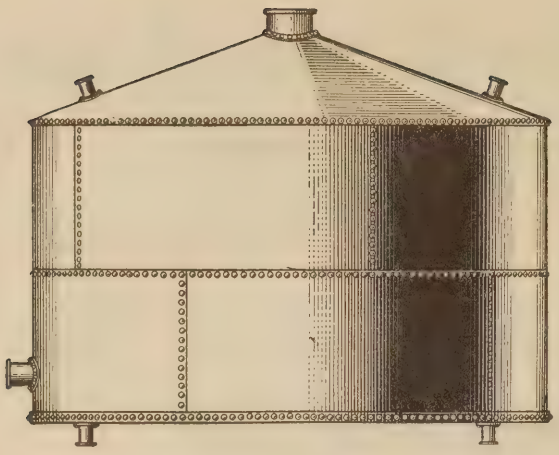
This big purchase included 150 brand new horizontal gasoline storage tanks suitable for garages, industrial plants and isolated points where it is necessary to store liquids in quantities. Capacity 1,000 gallons each. Size 65 in. diameter, 6 ft. long. Made with flat heads, electric welded—solid tight joints. Three-sixteenths inch plate is used throughout in their construction for both the shell and heads. Each tank has 3 openings on top —one 3½ in., one 2 in. and one 1 in. They are offered subject to quick acceptance on your part and prior sale. Guaranteed absolutely tight for storage. Bears Underwriters' label.

Gasoline Storage Outfits

Capacity 200 Gallons



25—Complete Underground Gasoline Storage Outfits, consisting of brand new steel tank, painted red, welded throughout, with flat heads, 30 in. diameter, 69 in. long, capacity, 200 gallons, with hand pump, also pipe and fittings complete. Tank is made of $\frac{3}{16}$ in. material, equipped with three openings on top; one 2 in. for filler, one 1 in. for discharge and one 1 in. for vent.

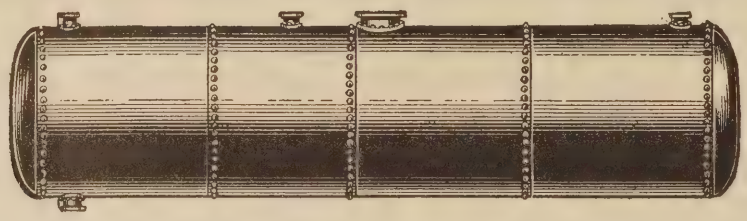


TANKS!

We have purchased a large number of the high grade steel storage tanks illustrated in this and the opposite page. They are extra well built and were used for only a short period of time and can be shipped from Eastern points, Hopewell, Va., and Chicago. Following our usual custom, we are now conducting this great tank sale and are passing along to our customers all the money saving benefits which we realized in securing the entire lot.

These vertical Steel Storage Tanks are built mostly of 5-16 in. plates. They will be knocked down for shipment with all parts marked for re-erection.

Diameter	Height	Capacity
20 Ft.	12 Ft.	30,000 Gallons

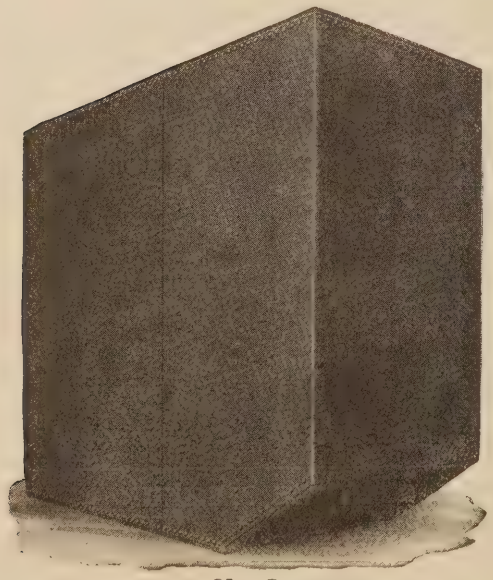


These horizontal Steel Storage Tanks are splendidly built, mostly of ½ in. plates. The specifications are as follows:

Diameter	Length	Capacity
6 Ft.	24 Ft.	5,500 Gallons
8 Ft.	30 Ft.	11,500 Gallons

DELIVERY AT ONCE

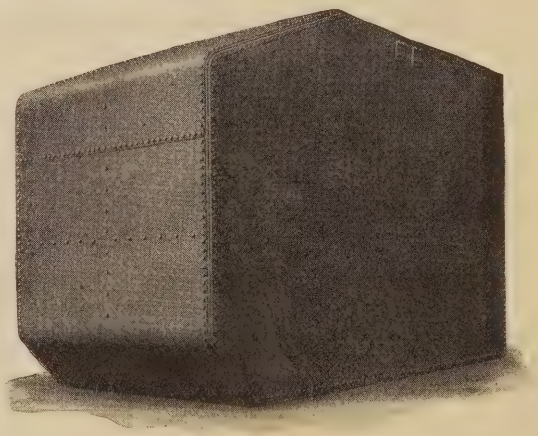
NEW STEEL STORAGE TANKS



No. 2

These tanks were made for the government under their inspection and rigid supervision. They were intended to be used on ocean steamers for carrying fresh water. They are brand new having never been in use.

Substantially built and reinforced on the inside. Shaped as illustrated to properly fit the space allowed for them in the steamers.



No. 1

They can be set on any side or bottom vertically or horizontally. Weight of tank No. 1 with reinforcing angles about 17,000 lbs. Weight of tank No. 2 with reinforcing angles about 8,000 lbs. Thickness of plate, ⅜".

The following sizes can be made of these tanks here in our boiler shops. What size can you use? Let us hear from you at once. Free blueprints sent on request.

No. 1 Tank. Size 6'9"x10'x16'3". Capacity about 7,000 gals.
No. 2 Tank. Size 4'9"x9'6"x10'6". Capacity about 3,000 gals.

FURNITURE—RUGS and Home Furnishings

from

"The Furniture Coliseum"

No attempt has been made in this book to include our complete line of furniture, rugs and home furnishings. The articles offered on the pages which follow are random selections from our gigantic stocks, and are presented in this book only to give you an idea of the big money savings which are offered here the year around.

Our Great Home Furnishing Display

An all year exhibit—a mammoth exposition—probably the largest and most interesting display of home and office furniture in America. Here you will find the products of leading factories and mills, at prices you will be glad to pay. Our alert buyers are always on the look-out for manufacturers' complete stocks which can be secured at sacrifice prices. And the money we save in these special purchases is reflected in the low prices you pay.

Chicago's Largest Daylight Showrooms

Picture if you can five acres of furniture—one vast expanse of bed room pieces, dining room pieces, kitchen equipment, living room furnishings, articles of every description for the library and office, rugs, carpets, linoleums and floor coverings of every kind, lamps, chests, rockers, chairs, tables, and tasty furniture novelties for the home. Everything you can imagine spread out before you—every conceivable design and finish—dependable articles guaranteed to give you the satisfaction you have a right to expect. And this great home furnishing display known to countless thousands as the "Furniture Coliseum", is flooded with daylight—the largest exclusive daylight home furnishing salesroom in America.

We Maintain A Personal Painstaking Buyers' Service

Those familiar with our home furnishing service, never think of buying any article in this line until we are carefully consulted. A postcard is all that is necessary to get full and complete information. Of course if you are conveniently located so that you can come to our Salesrooms and make your selections, we can serve you better. If you cannot come send us a list of your requirements explaining the articles you wish to purchase, and we will send you complete information, illustrations, and suggestions, which will prove to be highly satisfactory and economical to you.

Tudor Style Combination Walnut Suite

No 1.-C-600. Dresser with top size 40x20 inches, mirror size, 22x26 inches. Shipping weight, 160 lbs. Price, each.....$39.75
No. 1-C-601. Large sized Dresser with top size, 44x20 inches, mirror size, 24x30 inches. Shipping weight, 175 lbs. Price, each.....$46.75

Choice of Three Beautiful Finishes

There are so many splendid features of design and construction in this elegant bedroom suite, we scarcely know where to start our description. The pieces shown can be furnished in your choice of three finishes—light brown French walnut—beautifully ornamented with gold stripe—two-tone walnut and medium brown with dark stripe, or plain medium brown American walnut without striping.

Finest construction and finish are featured. Dovetailed, easy sliding drawers with mahogany bottoms. Finest French plate mirrors and high grade hardware.

No. 1-C-206. Roomy Chifforobe, fitted with coat and trousers hangers. Six large trays and hat compartment. Shipping weight, 160 lbs. Price.....$44.00

No. 1-C-633. Desirable Chifforette with top size, 32x19 inches. Four inner drawers and two outer drawers. Shipping weight, 125 lbs. Price....$35.40

STATE FINISH WANTED

Be sure to state finish wanted, whethe- you desire light brown French walnut, striped in gold—two-tone walnut dark and light combination, or plain medium brown American walnut.

SHIPMENT

Shipment of these pieces will be made from Chicago or direct from the point of purchase in West Virginia. Freight prepaid prices gladly quoted on request.

No. 1-C-620. Full sized, well proportioned Bed, in popular bow-end design. Height of head end, 52 inches. Shipping weight, 100 lbs. Price.....$38.50

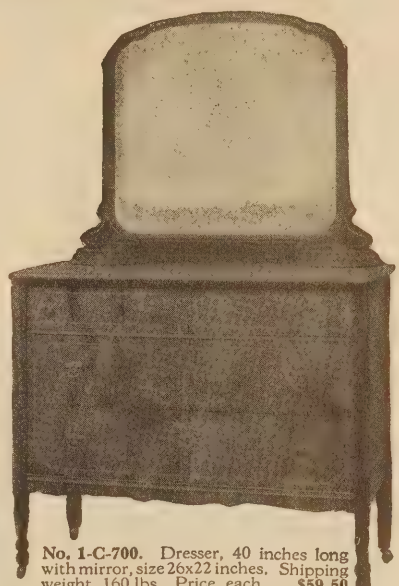
No. 1-C-456. Large sized Triple Mirror Vanity Dresser. Top size, 44x19 inches; center mirror size, 44x16 inches; wing mirrors 26x18 inches. Shipping weight, 200 lbs. Price.....$63.75

Elegant Walnut Bedroom Pieces

Gold Striped or Plain Finishes

Beautifully designed Tudor period bedroom suite, of finest construction in two popular finishes. These pieces can be had in both light brown French walnut striped in gold, or medium brown American walnut without striping. Dependable high grade construction and all details are carefully carried out. Dovetailed, easy sliding drawers, with mahogany drawer bottoms. The dressers, chifforobe and chifforette, are dust proof constructed.

The extremely high quality of this suite cannot be judged by the low prices we are asking. We were fortunate in purchasing a large number of the complete suites from a leading manufacturer at a big reduction from the regular prices. All the benefit of the savings we made are reflected in our low sale prices for the individual pieces.



No. 1-C-700. Dresser, 40 inches long with mirror, size 26x22 inches. Shipping weight, 160 lbs. Price, each....**$59.50**
No. 1-C-749. Dresser, 48 inches long with mirror, size 34x28 inches. Shipping weight, 200 lbs. Price, each....**$77.50**

STATE FINISH WANTED

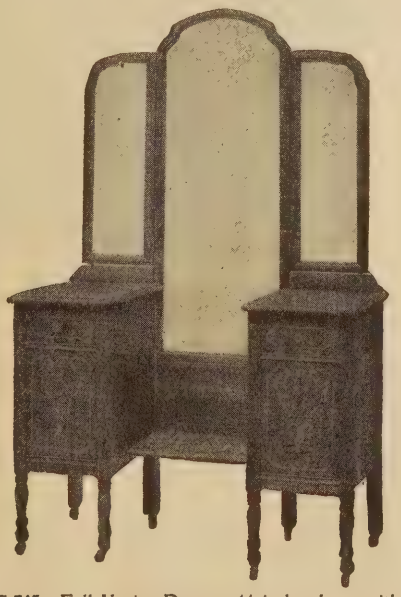
Be sure to state finish wanted, whether light brown French walnut with gold stripe, or medium brown plain American walnut without gold stripe.

SHIPMENT

Shipment of these pieces will be made from Chicago or direct from the point of purchase in West Virginia. Freight prepaid prices gladly quoted on request.

No. 1-C-748. Semi-Vanity Dresser or Dressing Table, 38 inches long, with center mirror size, 32x14 inches and side mirror, size, 8x18 inches. Shipping weight, 125 lbs. Price, each....**$57.50**

No. 1-C-746. Chifforette, 32 inches long with four inner drawers and two outer drawers. Shipping weight, 125 lbs. Price, each.....**$47.75**



No. 1-C-745. Full Vanity Dresser, 44 inches long, with center mirror 44x16 inches and side mirrors 8x20 inches. Shipping weight, 200 lbs. Price, each.....**$78.75**

No. 1-C-751. Bow-end styled Bed in full size, 4 ft. 6 ins. or twin size 3 ft. 3 ins. wide. Shipping weight, approximately 100 lbs.
Price, either size.....**$49.75**

Inexpensive Well Made Pieces

Well built, well arranged, neatly designed bedroom pieces, properly constructed to give long service under continued hard service.

The dresser and chiffonier shown are designed to match in detail, and are exceptional values at the low prices we are asking.

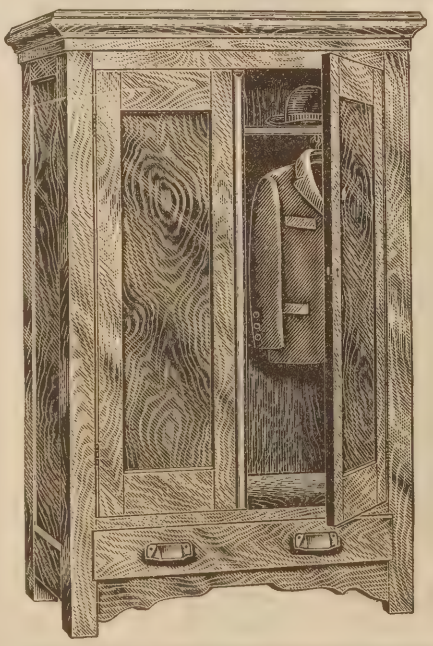
$27.75

No. 1-C-19. Roomy Chiffonier, with top size, 30x18 inches, mirror size, 16x12 inches. Choice of figured oak golden finish, or gumwood walnut finish. Shipping weight, 115 lbs. Either finish, price, each. **$27.75**

$29.75

No. 1-C-722. Dresser in figured oak, golden finish or gumwood walnut finish. Top size, 38x19 inches, mirror size, 22x16 inches. Shipping weight, 125 lbs. Price, either finish..... **$29.75**

ROOMY WARDROBE



$12.95

1-C-4292. Buy this large roomy wardrobe. A limited number are offered during this special sale at this remarkably low price. Made of seasoned northern hardwood with figured oak front finished a rich golden. Non-warping panels; improved take-apart construction permits flat shipment to save freight charges. Quickly and easily set up. Roomy interior fitted with hat shelf. Full width bottom drawer. Measures outside 74 in. high, 39 in. wide and 16 in. deep. Good locks and heavy door hinges. Shipping weight about 118 lbs. Indiana shipment.

Sale Price..... **$12.95**

$14.75

No.1-C-311. Well built, yet inexpensive dresser with three large drawers, allowing plenty of room for storage. Made throughout of figured oak finish, golden. Size of top, 38x17½ inches. Furnished with small and large sized mirror, as desired.

No. 1-C-211. Dresser, with mirror size, 12x20 inches. Shipping weight, 125 lbs. Each. **$14.75**

No. 1-C-311. Dresser, with mirror size, 22x16 inches. Shipping weight, 135 lbs. Each. **$18.75**

Neat Plain Designs Priced Low

A large number of these dressers and chiffoniers came to us along with a special purchase of bedroom pieces from a complete warehouse stock. The manufacturer of these pieces is well known because of his ability to produce attractive neat furniture, built to stand the test of time, at surprisingly low prices. The size of the purchase we made enabled us to secure even further reductions from regular prices. The result, our lowest prices ever quoted on furniture of this grade.

$29.75

No. 1-C-512. Large dresser, 38" long, with mirror size 26x22 inches. Choice of figured oak, golden finish, or gumwood, walnut finish. Shipping weight, 150 lbs. Price, each.....**$29.75**

$19.25

No. 1-C-613. Roomy Chiffonier, with top size 30x16 inches. Five full width drawers. Mirror size 16x12 inches. Choice of figured oak, golden finish, or gumwood, walnut finish. Shipping weight, 135 lbs. Price, each.....**$19.25**

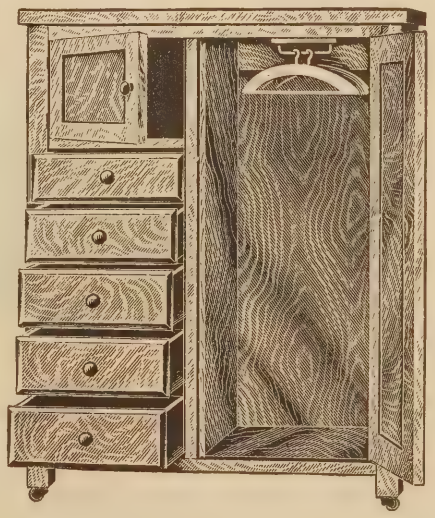
$12.75

No. 1-C-111. There is always room in any chamber for a convenient roomy chest of drawers. The one shown before you occupies little space, still its storage capacity will surprise you. There are six good sized drawers. Top size, 30x17½ inches. Height, 52 inches. Made of figured oak, golden finish. Shipping weight, 100 lbs. Price.....**$12.75**

No. 1-C-112. Furnished with mirror size 16x12 inches. Shipping weight 120 lbs. Each.**$17.25**

GENTLEMEN'S CHIFFOROBE

$17.95



No. 1-C-4320. Large sized Chifforobe. 64 inches high, 42 inches wide and 19 inches deep. Made throughout of select figured oak in golden finish. Designed with five easy sliding drawers, with wood knob pulls, spacious hat compartment, and full height clothing compartment, with sliding bar for coat hangers. This article has been thoughtfully arranged to meet the complete requirements of a gentleman's wardrobe and dresser. Shipped direct from warehouse in Indiana, shipping weight about 150 lbs. Price.....**$17.95**

Spanish Design Dining Room Suite

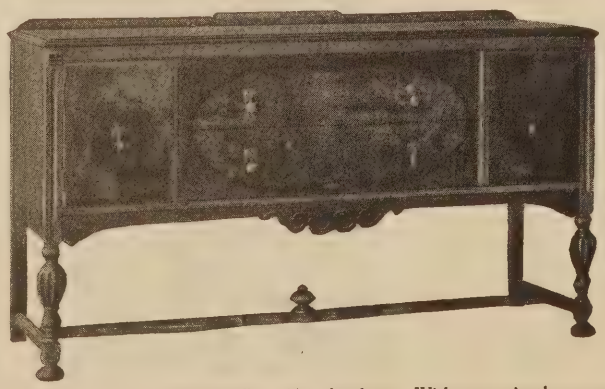
In American Brown Walnut

Very high grade dining room suite of Spanish Style, massive built, yet gracefully designed, and properly proportioned. Workmanship of the highest order has been employed in completing each individual piece with utmost care given to smallest details. Here is a suite that will grace the dining room of any home, creating an atmosphere of richness. Still it is built to give long and satisfactory service. Further evidence of the quality of these pieces is shown in the painstaking manner in which they are hand rubbed and finished. All hardware of best quality. All pieces are made with tops and panels of Genuine American Brown Walnut, balance of select gumwood finished to match.

Shipment from Chicago Stock

No. 1-C-400. China Cabinet, 42 inches long. Shipping weight, 175 lbs. Price, each.....**$79.00**

No. 1-C-401. Suite of table, arm chair, and five dining chairs. Top of table measures 60x45 inches and extends to 6 ft. The chairs are furnished with seats upholstered in Spanish brown or blue guaranteed genuine leather tapestry or mohair any standard shade. Shipping weight of table and chairs, 300 lbs. Price of table and chairs.....**$165.00**



No. 1-C-403. Large impressive buffet. 66 inches long. With conveniently arranged drawers and cupboards. Shipping weight, 200 lbs. Price, each.....**$95.00**

No. 1-C-405. Server, 38 inches long. Neatly arranged. Shipping weight, 100 lbs. Price, each.....**$49.00**

Tudor Design Dining Room Suite

In American Brown Walnut

Here again our big operations have enabled us to offer this really high grade dining room suite at big price reductions from the regular markets. This suite has proved to be so very popular that we found it advisable to contract for a large quantity far in advance of this season. The pieces combine beauty of design, excellent construction, and finest finish. All pieces are made of combination walnut and select gumwood; walnut being used on all exposed surfaces and gumwood finish to match for the balance.

Shipment from Warehouse in Chicago or West Virginia

No. 1-C-640. Roomy China Cabinet. Shipping weight, 175 lbs. Price, each.**$27.50**

No. 1-C-642. Suite of dining table, arm chair, and five dining chairs. Table top size, 54x45 inches, extends to six feet. Seats of chairs covered with Spanish brown guaranteed genuine leather. Shipping weight, of table and chairs, 250 lbs. Price of table and chairs....**$84.90**

No 1-C-645. Server. Conveniently arranged. Shipping weight 100 lbs. Price, each **$14.75**

No. 1-C-648. Buffet. 60 inches long. Shipping weight, 135 lbs. Price, each.**$41.75**

Big Values in Dining Tables

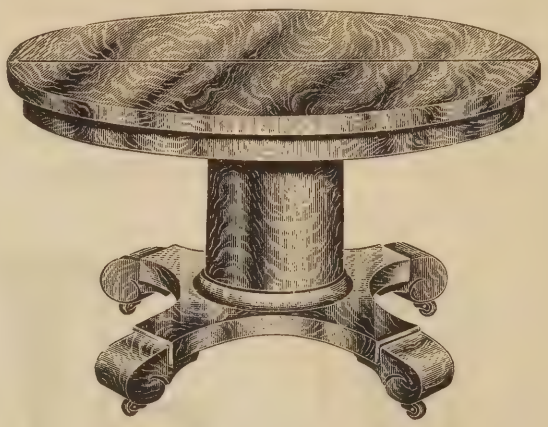
Colonial Design

Queen Anne Table $47.75

No. 1-C-907. Splendid "Queen Anne" Design dining table with top size 60x45 inches. Made with double thick built-up top of quartered oak or American brown walnut. Oak tables have figured oak legs; walnut tables have gummed legs finished to match the top.

Extension size	6 ft.	8 ft.	10 ft.
Shipping weight	175 lbs.	200 lbs.	225 lbs.
Price	**$47.75**	**$52.75**	**$57.75**

Be sure to state finish wanted.



Platform Base Table

No. 1-A-224. Massive dining table, built throughout of quartered oak. Made with built-up double thick top, pillar 14 inches in diameter. A heavy double thick platform base with Colonial scroll feet. Nicely finished a rich golden. Top size, 54 inches in diameter

Extension size, 6 ft., shipping weight, 175 lbs. Price, each **$28.00**

Extension size, 8 ft., shipping weight, 185 lbs. Price, each **32.40**

No. 1-C-2688. Plain Colonial Design Dining Table furnished with top size 42 inches, 48 inches or 54 inches diameter. Square 7 inch pedestal. Colonial scroll legs built of figured oak, finish golden. Shipped from warehouse in Northern Indiana.

Top size, 42 inches, shipping weight, 125 lbs. Price, each **$13.75**

Top size, 48 inches, shipping weight, 140 lbs. Price, each **$16.75**

Top size, 54 inches, shipping weight, 150 lbs. Price, each **$22.50**

Queen Anne Tables

No. 1-C-251. Made with genuine walnut top and gumwood base finish to match, or with quartered oak top, with balance in plain oak. Walnut tables are finished a rich brown; oak tables in Jacobean. Top measures 54 inches in diameter and extends to 6 ft. Best bolted construction. Shipping weight, 150 lbs.

Walnut Tables. Price, each **$42.00**

Oak Tables. Price, each **39.75**

William and Mary Style

No. 1-CE-925. Neatly designed, massively constructed, dining room tables. Built of figured oak, finish Jacobean. Top size, 54 inches. Extends to 6 feet. Shipping weight, 150 pounds. Price **$38.50**

Modern Chairs for the Kitchen

No. 1-C-1540. Kitchen chair. Made of select elm, golden finish. Saddle seat 15½x15½ inches. Shipping weight, each, 10 lbs. Price, each . **$2.10**

No. 1-C-39. Bow-back style chair. Made of select elm, finish golden. With saddle seat, size 15½x15½ inches. Shipping weight, each, 8 lbs. Price, each..... **$1.95**

No. 1-C-402. Kitchen chair. Made of select elm, with saddle seat, size, 15½x15½ inches. Strong construction. Shipping weight, 11 lbs. Price, each..... **$2.30**

No. 1-C-416. Saddle seated Kitchen chair. Made of select elm, finish, golden. Seat size, 15½x15½ inches. Strong construction. Shipping weight 11 lbs. Price, each..... **$2.40**

No. 1-C-406. Kitchen chair, made of select elm, finish, golden. With saddle seat, size, 15½x15½ inches. Shipping weight, 10 lbs. Price, each..... **$2.35**

No. 1-C-57. Kitchen chair, built for heavy duty, of select elm, finish, golden. Used extensively in waiting rooms and public places. Saddle seat, size, 16x16 inches. Shipping weight, 15 lbs. Price, each.... **$2.85**

No. 1-C-401. White enameled kitchen chair. Made of Northern hardwood, with saddle seat, size, 15½x15½ inches. Extra strong construction. Shipping weight, 9 lbs. Price, each..... **$2.80**

No. 1-C-404. White enameled kitchen chair. Made of Northern hardwood. Strongly constructed for hard use. Saddle seat, size, 15½x15½ inches. Shipping weight, 10 lbs. Price, each..... **$2.85**

No. 1-C-437. White enameled kitchen chair, of neat design. Made with saddle seat, size, 15½x15½ inches. Sturdy construction. Shipping weight, 9 lbs. Price, each.. **$2.90**

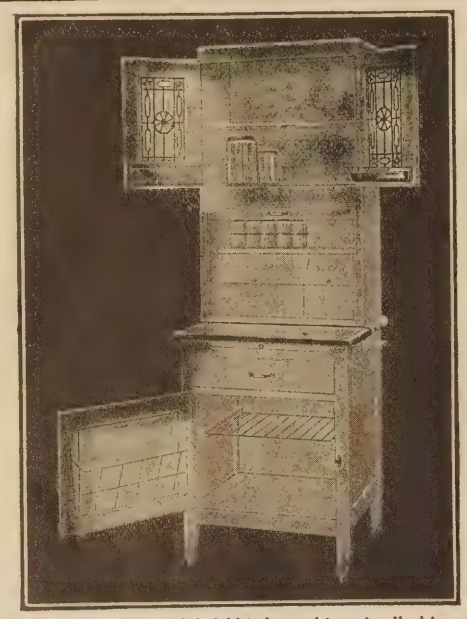
No. 1-C-440. White enameled kitchen chair. With saddle seat, size, 15½x15½ inches. Neat design. Built strong. Shipping weight, 10 lbs. Price, each..... **$3.55**

No. 1-C-431. White enameled kitchen chair. With saddle seat, size, 15½x15½ inches. Strong construction. Built to last. Shipping weight, each, 10 lbs. Price, each..... **$3.65**

No. 1-C-1562. White enameled kitchen chair. With shaped saddle seat, size, 15½x15½ inches. Made of Northern hardwood. Best construction. Shipping weight, 10 lbs. Price, each..... **$3.95**

MODERN KITCHEN FURNITURE

Featuring
Latest
Time and Step
Saving
Conveniences

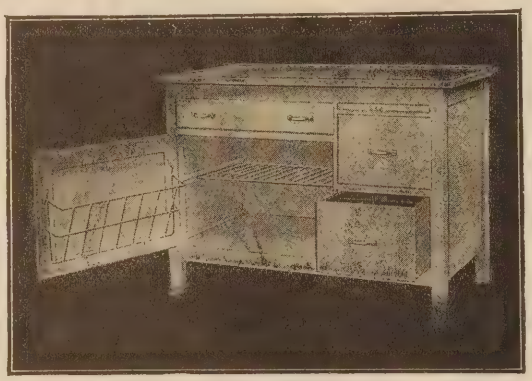


No. 1-C-530. Kitchenette Model kitchen cabinet, in all white enamel, inside and out. Designed for the small apartment. Height, 70 inches. Width, 24 inches. Depth, 20 inches. Handy drawers, cupboards, glass jars, and indexed metal bins for flour and sugar. White porcelain enameled heavy metal sliding work top. Shipping weight, 150 lbs. Price.....**$32.50**

No. 1-C-532. White enameled kitchenette kitchen cabinet without flour bin, sugar bin, or glass jars, price.....**$28.50**

No. 1-C-715. Extra fine kitchen cabinet. Built throughout of figured oak, finished with water-proof varnish in a light golden color. Features all time and step saving practical conveniences, including refrigerator style nickel plated hardware, white enameled canopy interior, rolled curtain front, handy jars for spices, tea, coffee and sugar, tilting metal sifting flour bin, food grinding block, sliding bread board, metal lined bread and cake drawers with sliding lids, white enameled sliding work top. The base cupboard is equipped with sliding metal shelf and pan rack. All drawers are varnished inside. Dust-proof overlapping doors and drawers. Ant-proof casters. Shipping weight, 230 pounds. Price, each.....**$34.95**

No. 1-C-716. White enamel finish, price, each.....**$39.95**



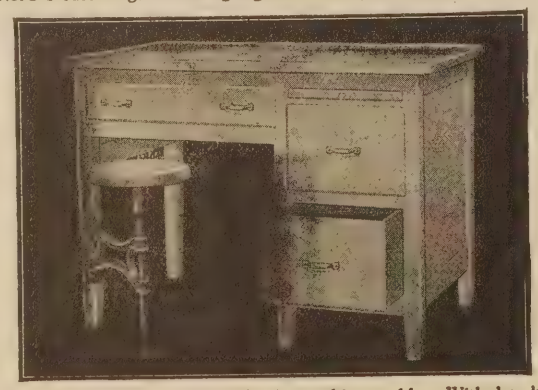
No. 1-C-310. White enameled kitchen cabinet, with white porcelain enameled heavy metal work top, sliding utensil shelf, metal pan rack, cutlery and linen drawers. Size of top, 32x27 inches. Height, 32 inches. Shipping weight, 140 lbs. Price.....**$27.95**

No. 1-C-315. Figured oak light golden water-proof finish.....**$24.95**

No. 1-C-500. This extra large kitchen cabinet contains all of the splendid features of the cabinet above, with the addition of extra large size white enameled heavy metal work top, large utensil drawer and cupboard, additional shelves and cupboards in top, plenty of room for everything and everything in the right place at all times. An ideal cabinet for the systematic kitchen. Height, 70 inches. Width, 48 inches. Depth, 28 inches. Shipping weight, 351 lbs. Figured oak water-proof golden finish. Ea..**$53.00**

No. 1-C-501. White enamel finish, price.....**$57.00**

No. 1-C-502. Gray enamel finish, price.....**$61.00**



No. 1-C-320. White enamel kitchen cabinet table. With handy stool attachment, swings out of way when not in use. White porcelain heavy metal work top, size, 42x27 inches. Height, 31 inches. Shipping weight, 125 lbs. Price.....**$32.50**

Splendid Kitchen & Laundry Stoves

Laundry Stove

No. 1-C-280. Two-hole laundry stove. Equipped with two 8-inch covers. Designed with pouch feed. Round firepot with shaking center draw grate. Diameter of fire pot 11½-inches; size of top, 13x20½ inches; height, 22 inches. Shipping weight, 71 lbs. Price, each..**$8.25**

"Giant" Laundry Stove

No. 1-C-285. Large sized laundry stove. Made with two 8-inch holes, and designed with heating deflector. Oblong fire box with shaking draw center grate for hard or soft coal or wood. Burns chunks of wood, 16-inches long. Size of top, 14x21 inches. Shipping weight, 80 lbs. Price, each.....**$8.95**

Gas Plate

No. 1-C-803. Smooth cast hot plate or gas plate, with two large burners. Made with stationary top. Finished in black enamel. Shipping weight, 30 lbs. Price, each.....**$3.25**

No. 1-C-807. Three burner size gas plate. Shipping weight, 40 lbs. Price, each.....**$4.75**

$79.00

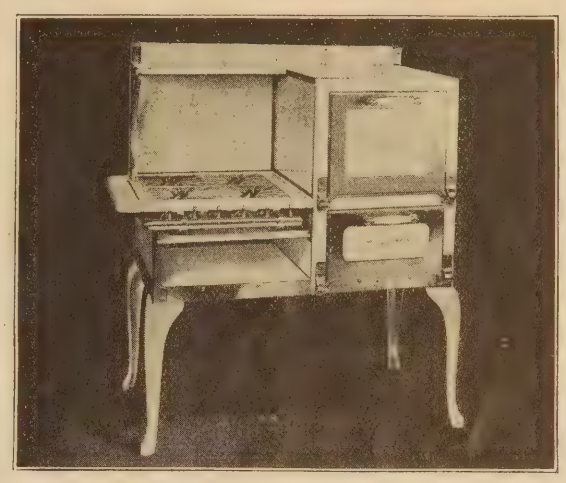
No. 1-C-812. Semi-porcelain enameled range as shown, but with sides in black enamel instead of white enamel. Large baking oven, 16x20x14 inches, and broiling oven 16 inches wide. State whether right or left oven is wanted. Shipping weight, 275 lbs. Price, each.....**$79.00**

$95.00

No. 1-C-813. Three-quarter porcelain enameled gas range as shown. Has a white top splasher back, white doors with nickel trimmings. White legs and one white side. All other parts black enamel. Baking oven size 18x20x9½ inches, 18 inch broiling oven. Shipping weight, 290 lbs. Price, each..**$95.00**

$117.50

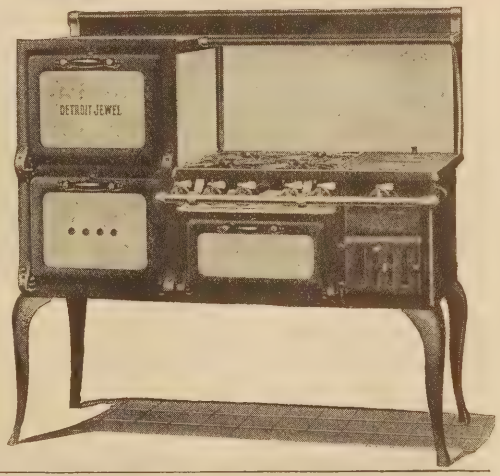
No. 1-C-816. Full white enameled cabinet gas range as illustrated. With porcelain enameled steel body, nickel trimmed. Baking oven and broiling oven same size as range above. Shipping weight, 300 lbs. Price, each, **$117.50**



Detroit Jewel Gas Range & Kitchen Heater

$97.50

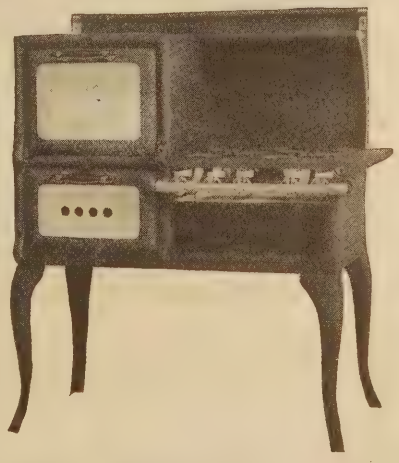
No. 1-C-314. Genuine Detroit Jewel Kitchen heater gas range. Made with door fronts, back and side splashers, in white porcelain enamel. Balance in smooth black enamel finish. Equipped with rust proof oven linings; one giant burner and three standard burners. White enamel burner tray and white enamel broiler pan. Gas lighter for kitchen heater. Right or left hand oven. Baking and broiler ovens size 16x18x12 inches. Warming compartment 16x18x7½ inches. Shipping weight, 375 lbs. Price each,.....**$97.50**



Detroit Jewel Cabinet Gas Range

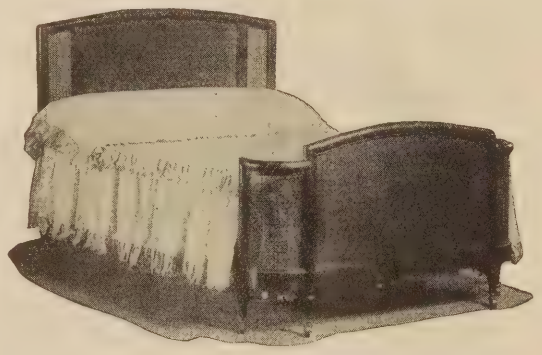
$44.75

No. 1-C-804. Genuine Detroit Jewel cabinet gas range, with all exposed steel and gas parts finished in black enamel, double wall, fine construction. Equipped with one giant burner and three standard burners. Enamel burner tray; blue steel broiler pan. Right or left oven as specified. Baking oven size 16x18x12 inches; broiling oven 15x19x9 inches. Shipping weight, 225 lbs. Price each.....**$44.75**



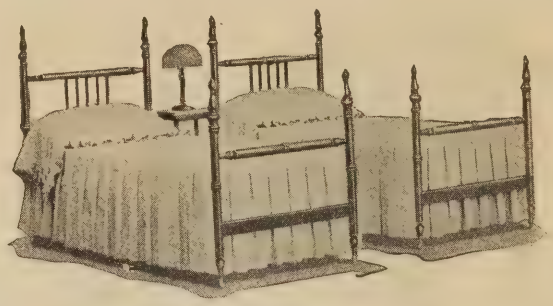
Genuine "Simmons" Metal Beds

No. 1-C-2712. Metal Bed. Pillars, 2 inches, round, continuous. Fillers, ½x1⅝ inches, flat, oval. Cane panel and medallion at center. Bottom tube, 1x1¼ inch "D" tube. Height of head, 50 inches; foot, 34 inches, including casters. Shipping weight, approximately, 65 lbs. in 3'3" size. Packed in dust-proof carton. Standard finishes are Ivory, American Walnut and Brown Mahogany. Furnished in 4'6" and 3'3" widths. Price..... **$21.75**

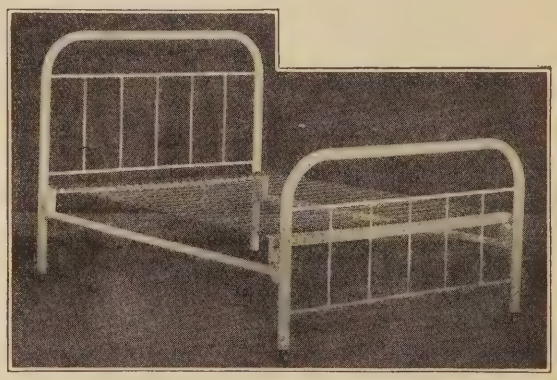


No. 1-C-2756. Metal Bed. Pillars and Top tube, 2 inches, round. Cane and Steel Panels. Bottom tube, 1x3 inches. Height of head, 48 inches; foot, 32 inches, including casters. Shipping weight, approximately, 128 lbs. Packed in dust-proof cartons. Standard finishes are American Walnut and Brown Mahogany. Furnished in 4'6" and 3'3" widths. Price..... **$49.75**

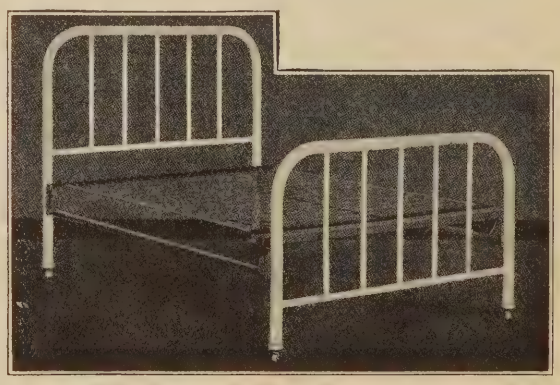
No. 1-C-2442. Brass Bed. Pillars, 2 inches. Fillers, 1¼ inches, oval. Top and bottom tubes, 1¼ inches, round. Height of head, 55 inches; height of foot, 33 inches, including casters. Plain satin or satin ribbed banded. Shipping weight, 94 lbs., packed in dust-proof carton. Furnished in 4'6", 4'0" and 3'3" widths. Price..... **$23.50**



No. 1-C-2652. Metal Bed. Pillars, 2 inches. Top tube, 2 inches. Fillers, 1⅛ inches. Bottom tube, 1¼ inches. Panel, 1x3 inches. Height of head, 54 inches; foot, 42 inches, including casters. Shipping weight, approximately 72 lbs. in 3'3" size. Packed in dust-proof carton. Standard finishes are American Walnut and Brown Mahogany. Furnished in 4'6" and 3'3" widths. Price..... **$32.50**



No. 1-C-3466. Metal Bed and Bed Spring Combination. Pillars, 2 inches, round, continuous. Cross rods, ⅝ inch. Fillers, ⅜ inch. Height of head, 50 inches; foot, 34 inches, including casters and Link Fabric Spring. Shipping weight, approximately, 53 lbs. Standard finishes are White, Vernis Martin, Oxidized Copper, American Walnut and Brown Mahogany. Furnished in 4'6", 4'0", 3'6" and 3'3" widths. Price of Bed and Spring **$12.75**

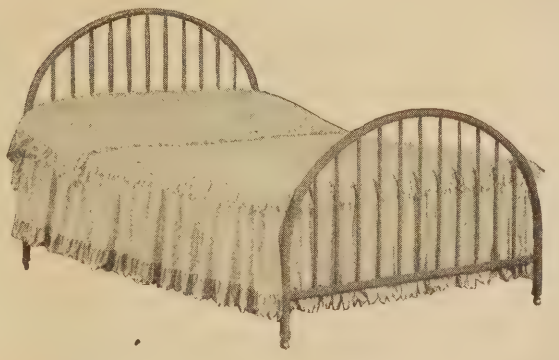


No. 1-C-3464. Metal Bed and Bed Spring Combination. Pillars, 2 inches, round. Height of head, 50 inches; foot, 34 inches, including casters. The shipping weight, including 6-inch riser spring is approximately 87 lbs. Standard finishes are White, Ivory, Vernis Martin, Oxidized Copper, American Walnut, Brown Mahogany and Oak. Furnished in 4'6", 4'0", 3'6" and 3'3" widths. Price of Bed and Spring..... **$17.95**

Latest Designs Priced Very Low

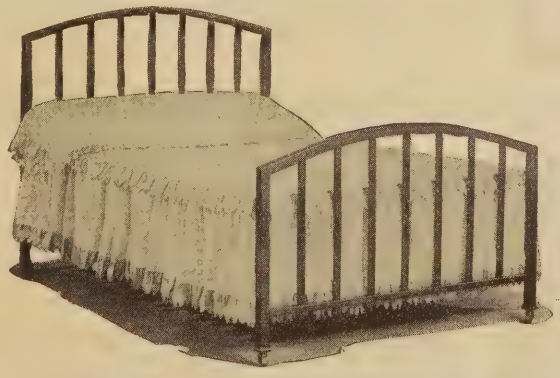
No. 1-C-2604. Metal Bed. Pillars, 2 inches. Height of head, 50 inches; foot, 34 inches, including casters. ⅞ inch round fillers. 1⅛ inch round bottom rod. Shipping weight, 62 lbs. Standard finishes are White, Ivory, Vernis Martin, Oxidized Copper, American Walnut, Brown Mahogany and Oak. Furnished in 4′6″, 4′0″ and 3′3″ widths. Price.....**$8.30**

No. 1-C-3810. Metal Bed. Pillars, 1½ inches, square, continuous. Fillers, ⅝x1⅛ inches, rectangular. Bottom tube, 1 inch square. Height of head, 50 inches; foot, 34 inches, including casters. Shipping weight, approximately, 65 lbs. Standard finishes are Ivory, American Walnut and Brown Mahogany. Furnished in 4′6″, 4′0″ and 3′3″ widths. Price.....**$13.75**



No. 1-C-2110. Metal Bed. Pillars, 1½ inches, round, continuous. Fillers, ⅝ inches, round. Bottom tube, 1x1¼ inches "D" tube. Height of head, 46 inches; foot, 33 inches, including casters. Shipping weight, approximately, 55 lbs.; in 4′6″ size. Standard finishes are American Walnut, Brown Mahogany and Ivory. Furnished in 3′3″ and 4′6″ widths. Price.....**$16.50**

No. 1-C-3746. Metal Bed. Pillars, 1½ inches, square, continuous. Fillers ⅝x1⅛ inches, rectangular. Cane Panel and Medallion center. 1 inch bottom rod. Height of head, 50 inches; foot, 34 inches, including casters. Shipping weight, approximately, 85 lbs. Packed in dust-proof carton. Standard finishes are Ivory, American Walnut and Brown Mahogany. Furnished in 4′6″ and 3′3″ widths. Price.....**$23.75**

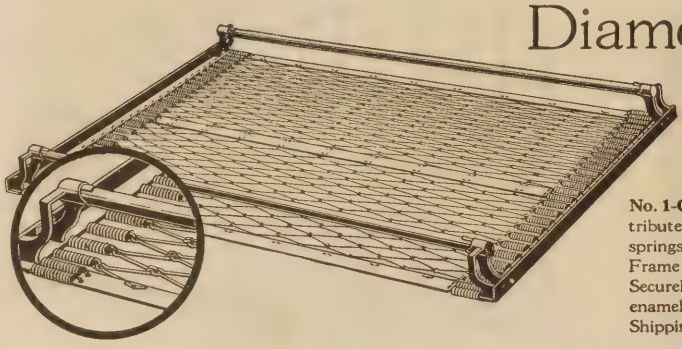


No. 1-C-3614. Metal Bed. Pillars, 1½ inches, square tubing. Top tube, 1¼ inches, square. Fillers, ⅝x1⅛ inches. 1 inch square bottom rod. Height of head, 48 inches; foot, 32 inches, including casters. Shipping weight, approximately, 69 lbs. Standard finishes are Ivory, American Walnut and Brown Mahogany. Furnished in 4′6″, 4′0″ and 3′3″ widths. Price..**$21.85**

No. 1-C-2368. Metal Bed. Pillars, 2 inches, round. Filling tubes, 1⅛ inches, oval. Bottom rod, 1⅛ inches. Cane Panel, 10 inches. Height of head, 50 inches; foot, 34 inches, including casters. Weight, approximately, 63 lbs. Standard finishes are American Walnut, Brown Mahogany and Ivory. Furnished in 4′6″, 4′0″ and 3′3″ widths. Price.....**$13.75**

Most Practical Enduring Springs

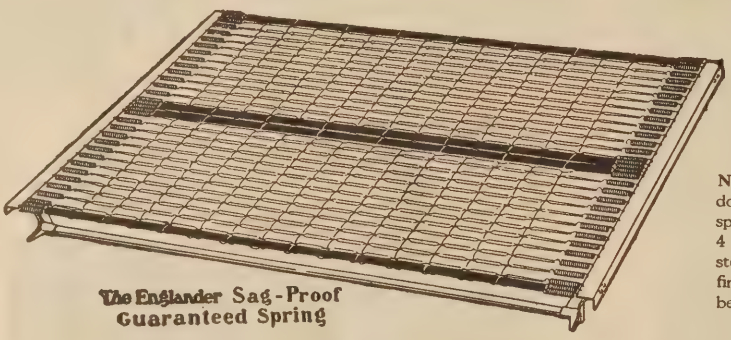
Diamond Link Bed Spring



With 2-inch Steel Band Strip in Center

No. 1-C-475. The fabric or surface of this bed spring is woven to evenly distribute the weight of the sleeper over the entire surface. There are 64 helical springs at the ends. A 2-inch band steel center strip prevents center sagging. Frame is made with angle steel ends and unbreakable malleable iron corners. Securely supported by oval steel side tubing. Rises 6 inches above rails. Gray enameled rust proof finish. State whether wanted for metal or wood beds. Shipping weight, 50 lbs. Any standard size. Price, each.....**$6.95**

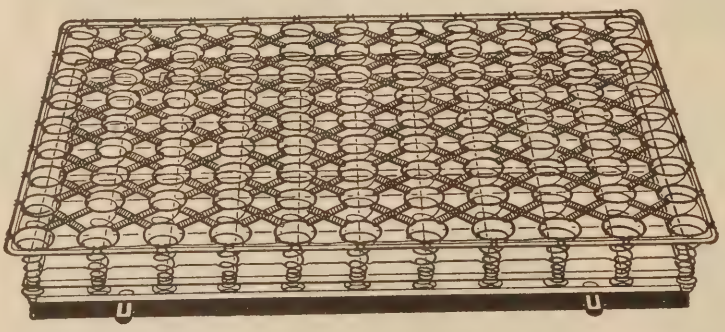
GENUINE "ENGLANDER" BED SPRINGS



Link Fabric with Double Steel Band Strip in Center

No. 1-C-770. Genuine Englander link fabric bed spring. With double steel band center strip to prevent center sagging. Helical springs at ends and link surface distributes weight evenly. Rises 4 inches above side rails. Made with angle steel ends and oval steel pipe rails. Malleable iron corners. Gray enamel rust-proof finish. Weight, 50 lbs. State whether wanted for wood or metal beds. Any standard size. Price, each.....**$8.50**

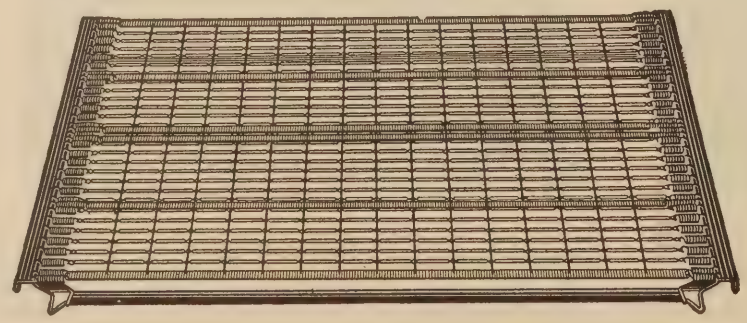
DOUBLE DECK COIL BED SPRING



99 Coil Design with Interlaced Helical Spring Surface

No. 1-C-443. Double deck bed spring. With 99 continuous coil springs interlaced at top with small Helical springs. Built on heavy angle steel frame. The strongest spring designed for heavy persons. Designed for wood or metal beds. Shipping weight, 190 lbs. Any standard size. Price, each.....**$12.50**

BANDED "ENGLANDER" LINK FABRIC SPRINGS



Four Steel Band Strips Extra Rigid Surface

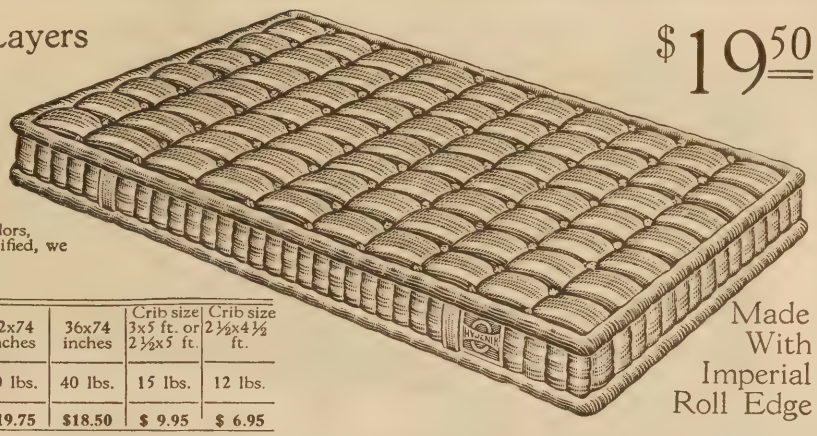
No. 1-C-310. Genuine Englander link fabric bed spring. With surface re-inforced by four steel bands and helical end springs. Angle steel end supports. Oval steel pipe side rails. Malleable steel corners. Rises 5 inches above rails. State whether wanted for wood or iron bed. Any standard size. Price, each....**$9.75**
Shipping weight, 55 lbs.

Guaranteed "FO-REST" Mattresses

10 Springy Felted Cotton Layers

$19.50

Genuine Fo-Rest Mattresses are designed expressly for rest. The cotton felt is made from high grade unbleached natural cotton selected for its long fibre and soft texture. The mattress is built of 10 springy layers one placed upon the other, then pressed down to size, stitched and tufted by special machine.
The ticking used is a heavy satin-finished woven fabric in non-fading colors. A twilled weave fabric that cannot stretch or lose its shape.
Special Ticking "Fo-Rest" mattresses can be furnished in striped floral art ticking with predominating colors, blue, lavender, pink or taupe. (Unless otherwise specified, we will ship the striped woven tick.)
Chicago shipment. Weight, about 55 lbs.



Made With Imperial Roll Edge

Size	54x74 inches	48x74 inches	42x74 inches	36x74 inches	Crib size 3x5 ft. or 2½x5 ft.	Crib size 2½x4½ ft.
Weight, unpacked	50 lbs.	45 lbs.	40 lbs.	40 lbs.	15 lbs.	12 lbs.
Price	$21.45	$19.50	$19.75	$18.50	$ 9.95	$ 6.95

"HARRIS" SILK FLOSS MATTRESSES

Silk Floss or Kapok with which these elegant mattresses are filled is a soft, silky vegetable floss from the trees of foreign countries similar to cotton, but is composed of long fibres more silky and lighter in weight. Full size mattress filled with silk floss weighs about 30 lbs. Easily handled.

1-C-4838. You will enjoy sleeping upon a silk floss mattress, for it offers a buoyant, springy surface which snugly fits every curve of the body. It is sanitary and does not readily hold the heat. Unlike felted cotton, it is strictly waterproof and will not pack or mat down under hard continuous service. All of the original fluffiness and buoyancy of your mattress is quickly regained by an airing in the morning's sun.
Made with "Imperial" roll edge softly and evenly tufted. Covered with high grade ticking with attractive stripe and floral effects in numerous colors. Full standard length, 74 inches.

54 inches wide, 30 lbs. Price.....$24.95
48 inches wide, 27 lbs. Price..... 23.95
42 inches wide, 25 lbs. Price..... 22.95
36 inches wide, 22 lbs. Price..... 21.95

"Hyjenik" Cotton Mattresses

Real Hyjenik Mattresses are supplied in two different grades as described in the lots which follow. Each mattress has been selected to meet certain requirements, but any of them can be used on your bed and will be found entirely satisfactory. You will find that our Hyjenik Mattresses are the best low priced mattresses offered today.

Springy Built-Up Layers

We are selling our Hyjenik Mattresses under the same liberal guarantee that we sell our Fo-Rest Mattresses. The purpose of this guarantee is to give you a feeling of security when you send us your order. If you find any of these mattresses other than as described by us, during our liberal one year trial, you may return it and we will give you back your money or you may select other merchandise.

1-C-4834. Select Quality "HYJENIK"—The cotton used in this grade of "Hyjenik" Mattresses is in natural color thoroughly cleaned and sanitary. It is felted and spun in layers, the same as in better mattresses. Carefully formed to produce a satisfactory 45-pound mattress. An excellent good grade of sateen finish ticking is used and furnished in art design; various attractive colors. Made with "Imperial" roll edge; evenly and firmly tufted surface. Full standard length, 74 inches.

4 ft. 6 ins., 45 lbs. Price.....$11.95
4 ft., 40 lbs..... 11.45
3 ft. 6 ins., 35 lbs.....$10.95
3 ft. or 2 ft. 6 ins. x 6 ft., 30 lbs. Price.. 10.45

1-C-4835. Superior Quality "HYJENIK"—We call this our superior quality "Hyjenik" mattress on account of the superior grade of cotton felt used in its manufacture. This cotton is specially used for its long fibre, spun into felted springy layers. Five extra pounds are used, making this mattress weigh 50 lbs. The art ticking used is an extra good quality in beautiful striped or floral effects. Made with Imperial roll edge and durably tufted. Full standard length, 74 inches.

4 ft. 6 ins., 50 lbs. Price.....$13.90
4 ft., 45 lbs..... 12.40
3 ft. 6 ins., 40 lbs. Price.....$11.90
3 ft. or 2 ft. 6 ins. x 6 ft., 30 lbs. Price... 11.40

Low Priced Mattresses

1-C-483. Cotton side, five layer mattress. Made with one heavy layer of standard excelsior in the center, with layers on either side of finest basswood excelsior, then covered with white cotton felt on both sides.
Select art ticking in striped floral patterns. Welt edge securely tufted and stitched. Chicago shipment; full standard length, 74 inches.

54 inches, 45 lbs.....$5.70
48 inches, 40 lbs..... 5.60
42 inches, 35 lbs..... 5.45
36 inches or 30 inches, 30 lbs..... 5.35

All-Cotton Mattresses

1-C-4847. We are now offering a pure cotton mattress at a price which you would ordinarily have to pay for a combination or excelsior filled mattress. Full weight, 45 lbs. Furnished in good quality ticking. In attractive floral art patterns. Stitched with strong hemp twine. Firmly tufted. Made with Imperial roll edge to strengthen it and prevent packing down. Chicago shipment; full standard length, 74 inches.

54 inches, 45 lbs.....$6.90
48 inches, 40 lbs..... 6.65
42 inches, 35 lbs..... 6.40
36 inches or 30 inches, 30 lbs..... 6.15

Finest Quality "HYJENIK" Pillows

1-C-4842. Mixed feather pillows thoroughly cleaned and purified by improved methods. Covered with extra heavy water-proof blue and white striped floral art ticking.
Size, 17x25 inches, weight, 2½ lbs. Price, each.....$0.99
Size, 20x26 inches, weight, 3½ lbs. Price, each..... 1.39

1-C-4945. A perfectly sanitary, serviceable pillow filled with a mixture of very select turkey feathers guaranteed in every respect. Dainty striped, satin finished art ticking in blue effect.
Size, 20x26 inches, weight, 3 lbs. Price, each.....$1.75
Size, 21x27 inches, weight, 3½ lbs. Price, each..... 1.95
Size, 22x28 inches, weight, 4 lbs. Price, each..... 2.25

1-C-4947. A pillow of splendid quality filled with a fine mixture of duck feathers. Absolutely clean, sanitary, odorless and fluffy. Covered with best quality art ticking in slate and pink colors.
Size, 21x28 inches, weight, 3 lbs. Price, each.....$2.80
Size, 22x28 inches, weight, 3½ lbs. Price, each..... 3.10

1-C-4952. Finest quality pillow. Containing only the most select live goose down; high grade, odorless and sanitary. Light, fluffy and buoyant. Closely woven linen finished ticking with neat blue and white striping.
Size 21x27 inches, weight 1½ lbs.....each, $4.95
Size 22x28 inches, weight 2 lbs.....each, 5.35

Elegant Davenport Bed Suites

$129.50

$52.50

$49.50

OVERSTUFFED STYLE SUITE WITH DAVENPORT BED

Thin arm overstuffed style living room suite. A graceful new design of splendid construction, both inside and out. Includes davenport which opens to a full sized bed. Length of davenport, 82 inches, height, 35 inches, depth, 23 inches. The fireside wing chair and davenport chair match perfectly. Choice of select high grade tapestry or genuine Baker velour in all newest colorings. State color preferred.

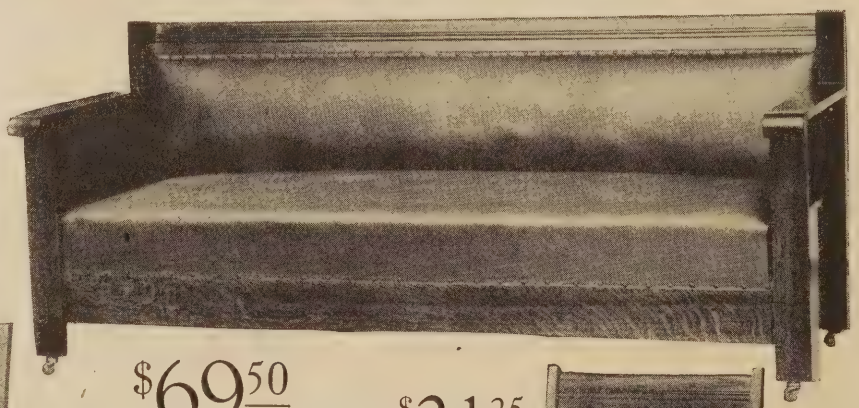
Suite No. 1-C-949

Covering	Davenport	Wing Chair	Davenport Chair
Tapestry	**$129.50**	**$52.50**	**$49.50**
Baker Velour	**140.00**	**62.50**	**59.50**

Shipped from our Chicago warehouse.

A CONVENIENCE

Your living room furnished with either one of these attractive bed davenport suites gives you an attractive suite by day—an extra bed for the unexpected guest at night.



$69.50

$19.75

$21.25

MISSION STYLE DAVENPORT BED SUITE

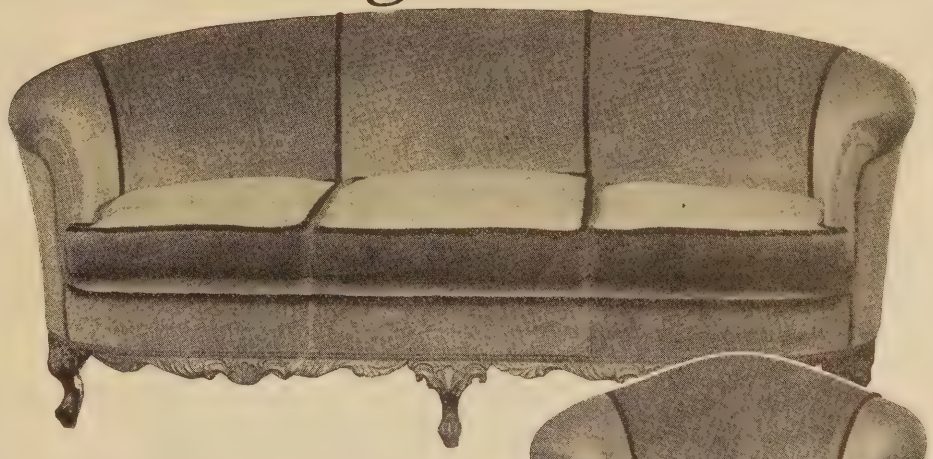
No. 1-C-7162. Mission design living room suite, including chair, rocker and davenport, 81 inches long. State whether select quartered oak or birch mahogany finish is wanted. Covered in Spanish brown guaranteed genuine leather. Short length apartment style, full sized double bed davenport furnished to match this suite at.....**$63.50**

Shipped from our Chicago warehouse.

Very Latest Living Room Suites

FULL KIDNEY DESIGN SUITE IN FINEST COVERING

$359



No. 1-C-988. Artistically designed full kidney style 2-piece living room suite, including stationary davenport, 80 inches long, 33 inches high, and 33 inches deep. Size of davenport seat, 23x66 inches. The chair measures 33x36 inches, 33 inches high, with seat size 21x19 inches.

Beautifully hand carved dull walnut finish frame, upholstered spring back, with full spring seats, spring edge, and spring filled loose seat cushions. Finest grade mohair in latest colorings is used for covering. Combination cushions upholstered one side with mohair, other side with silk brocatelle. Fully trimmed with heavy silk moss edging. State choice of color when ordering. Our special price of this 2-piece full kidney suite is.....**$359.00**

Shipped from our Chicago warehouse.

3 PIECE OVERSTUFFED STYLE SUITE

$84.50

$47.25

$37.25

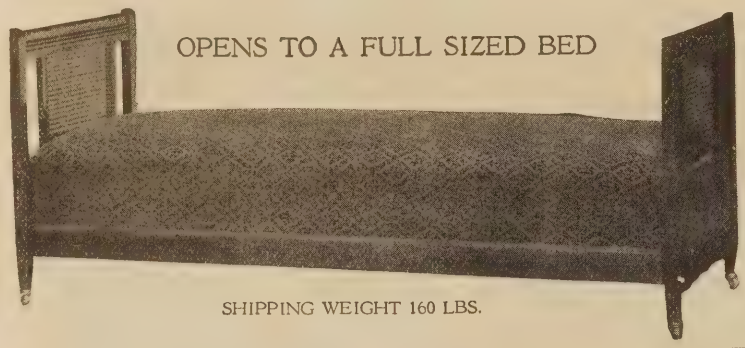
Luxurious overstuffed design parlor suite with tasty "Queen Anne" design frame, hand carved and nicely finished. Made with spring edge, spring backs and arms, spring filled loose seat cushions. Choice of Baker velour, Jacquard velour or mohair. Outside backs are covered with velour in colors to match. Stationary davenport, 84 inches long; other pieces of same large proportions.

Suite No. 1-C-734.

Article	Baker Velour	Jacquard Velour	Genuine Mohair
Davenport.....	**$84.50**	**$97.50**	**$132.00**
Wing Chair.....	**47.25**	**53.75**	**71.00**
Arm Chair.....	**37.25**	**43.75**	**61.00**

Shipped from our Chicago warehouse.

Da-Beds and Sanitary Couches

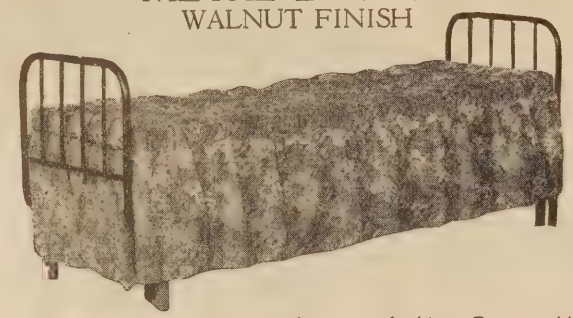


Genuine Pullman $63.50

No. 1-C-724. Nationally known Pullman Revolving Da-Bed opens to a full size bed with one easy motion, ends and sides are made of birch finished dull brown mahogany. Spring edge seat, softly upholstered, covered with velour or tapestry as desired. Length, 77", height, 33" and width, 29". A splendid piece of furniture for the living room, chamber or porch.

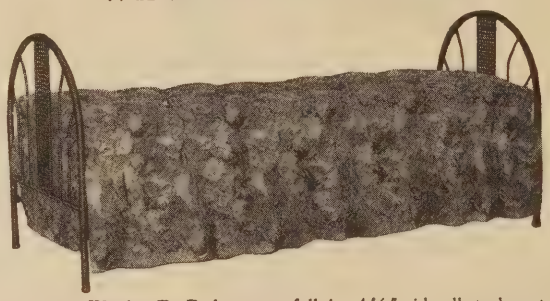
Tapestry upholstering. Price, each.....**$79.50**
Velour upholstering. Price, each..... **63.50**

METAL DA-BED
WALNUT FINISH



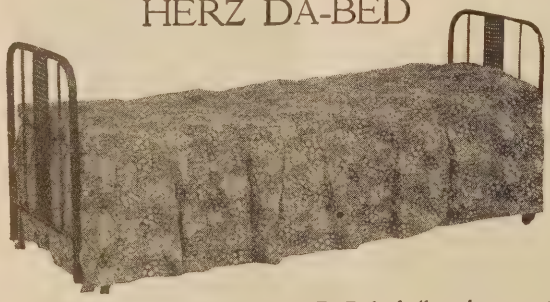
No. 1-C-961. Double Da-Bed made of strong steel tubing. Guaranteed link fabric spring. Opens to a 4' bed, felt mattress pad included, covered with good quality cretonne. Frame of bed finished in walnut, Shipping weight, 95 lbs. Price of bed and mattress pad.....**$17.75**

WINDSOR DA-BED



No. 1-C-240. Windsor Da-Bed, opens to full size, 4'6" wide, all-steel construction. Frame of bed finished in walnut. Felt mattress pad included, upholstered in fancy cretonne Shipping weight, 105 lbs. Price, complete....**$29.00**

HERZ DA-BED

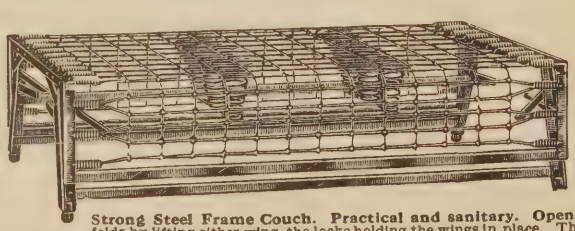


No. 1-C-336. Genuine Herz one motion Da-Bed of all steel construction, choice of walnut or mahogany finishes. Splendid steel construction with steel coil spring in bed. Regular full thickness mattress covered with good quality cretonne. Opens to a full size bed, 4'2" with one motion. Shipping weight, 140 lbs. Price, complete with mattress.....**$39.75**

ROME DA-BED

No. 1-C-2772. Genuine Rome Da-Bed, opens to a full size bed, 4' wide with one motion. All steel construction with Bessemer steel wire spring. Felted pad covered with tasty cretonne included. Shipping weight, 140 lbs. Price, complete with mattress pad.....**$44.75**

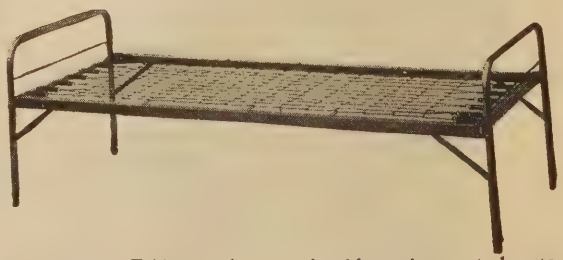
SANITARY STEEL COUCH



Strong Steel Frame Couch. Practical and sanitary. Opens and folds by lifting either wing, the locks holding the wings in place. The steel spring wire fabric is prevented from sagging in the center by six spiral oil-tempered-coil springs fastened to the frame-work. This fabric is supported by 26 helical, oil-tempered steel springs. Frame and ends finished in gold bronze. Width of seat 22 in. Length 71 in. Width (when opened) 43 in. Framework is firmly riveted and guaranteed not to loosen. Weight about 50 lbs.

1-C-5000. Price.....**$4.85**

FOLDING STEEL COT



No. 1-C-764. Folding steel cot, made with continuous steel posts, 1½" diameter, fitted with steel wire fabric spring, supported by helical coil springs at ends. Anchor steel side rails and end supports, length overall, 79", width, 30". Shipping weight, 45 lbs. Price, each...**$4.50**
36" wide, shipping weight, 50 lbs. Price, each.....**$4.90**

Office Furniture Specials!

$14.75

No. 1-C-114. Swivel Office Chair as illustrated, made of Northern hardwood in dull rubbed, light golden oak office finish. Shipping weight, 38 lbs. Price, each.....**$14.75**

No. 1-C-112. Side Arm Chair to match above chair with legs instead of swivel base. Shipping weight, 35 lbs. Price, each.....**$9.00**

No. 1-C-413. Swivel Office Chair, same as illustrated, but without arms. Shipping weight, 32 lbs. Price, each.....**$11.75**

No. 1-C-414. Side Chair to match above, with four legs instead of swivel base. Shipping weight, 26 lbs. Price, each.....**$4.25**

$57.00

Oak or Mahogany Banker's Style Roll Top Desk

No. 1-C-610. Banker's Style Roll Top Desk as illustrated, built thruout of solid oak in dull rubbed mahogany finish, or Select figured Oak in dull rubbed light brown office finish. Sanitary base style with brass capped protectors on legs. Conveniently arranged. Be sure to state finish wanted. All desks 32" deep with pedestals 16", height, 40", length, 42". Shipping weight, 180 lbs. Price, either finish.....**$48.00**

54" long. Shipping weight, 275 lbs. Price, either finish..... **57.00**

60" long. Shipping weight, 300 lbs. Price, either finish..... **61.00**

$17.95

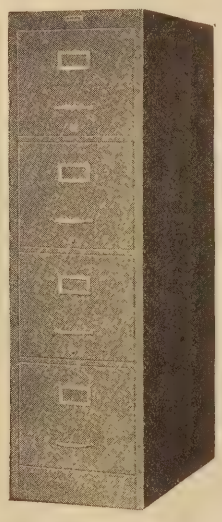
No. 1-C-745. High grade, strongly built Office Chair, as illustrated, made of genuine quartered oak, dull rubbed, light golden office finish, or birch dull rubbed mahogany finish. Shipping weight, 40 lbs. Price, each.....**$17.95**

No. 1-C-746. Side Chair to match above, with four legs instead of swivel base. Shipping weight, 32 lbs. Price, each.....**$12.95**

No. 1-C-747. Swivel Base Office Chair, same as No. 1-C-745, but without arms. Shipping weight, 26 lbs. Price, each.....**$13.25**

No. 1-C-758. Side Chair to match swivel chair No. 1-C-747. Shipping weight, 18 lbs. Price. **$8.00**

Office Files



No. 1-C-934. Four Drawer Letter Size, Steel Office File in serviceable green enamel office finish. Roller bearing drawers, properly constructed to slide easy when loaded. Shipping weight, 65 lbs. Price, each....**$27.50**

No. 1-C-658. Card Index Cabinets, arranged in from one to six drawer units. Designed to accommodate cards, size 3x5", 4x6" or 5x8". Choice of figured oak in light golden office finish, or birch in mahogany finish, dull rubbed. Units arranged two drawers wide and one, two or three drawers high.

No. Drawers	Card Size	Prices, Each
1	3x5	$ 3.35
2	"	6.00
4	"	12.00
6	"	17.50
1	4x6	$ 4.15
2	"	6.40
4	"	13.60
6	"	20.00
1	5x8	$ 4.95
2	"	7.40
4	"	18.40
6	"	24.60

State finish wanted.

No. 1-C-635. Four Drawer Office File, built of figured oak in light golden office finish, or birch mahogany finish, full rubbed. State finish wanted, letter size. Shipping weight, 140 lbs. Price, each.....**$25.75**

Cap size, shipping weight, 160 lbs. Price, each.**$29.50**

Most Popular Modern Office Desks

Well Arranged Desk for Salesmen, Students or Small Offices

No. 1-C-50. This neat, plain Desk has been especially designed to meet the requirements of the small office—for salesmen, students, ushers or practical use in the home.

Strongly built of figured oak and furnished in light golden gloss oak office finish, or mahogany finish, full rubbed. The writing bed is made of ⅞" solid stock and measures 42x30". Width of drawer pedestal is 14". Width of knee space, 23". Height of desk, 30". There are three roomy drawers in pedestal, 11½" long, 4¼" high and 22" deep.

Be sure to state finish wanted.

Shipping weight, 90 lbs. Price, each, either finish . . . **$14.75**

Shipment from Chicago or factory in southern Indiana, according to your location.

Drop Head Typewriter Desk

This drop head style typewriter office desk is made with two pedestals of drawers or one pedestal of drawers. All desks are made of carefully selected figured oak and furnished in light golden gloss office finish, or in mahogany finish, dull rubbed.

The double pedestal desks, 5-ply, have top ⅞", size, 54x32" when closed. Width of pedestal, 16", width between pedestals, 20½", height of desk, 30", drawers measure 11½" long, 4¼" high and 24" deep.

No. 1-C-631. Double pedestal desk, oak or mahogany finish. Shipping weight, 200 lbs. Price, each **$41.00**

No. 1-C-632. Single pedestal desk with top, size 42x32", knee space 22", construction otherwise the same as above. Shipping weight, 155 lbs. Price, each, oak or mahogany finish **$32.00**

State finish wanted.

Shipment from Chicago or warehouse in Southern Indiana according to your location.

Flat Top Desks

These splendid desks are made with 5-ply top ⅞" thick. Built throughout of Select Figured Oak and furnished in light golden gloss office finish, or dull rubbed mahogany finish.

No. 1-C-604. Flat Top Writing Desk with top, size, 48x32". Double pedestal style with six drawers and private center drawer, width of pedestal, 12"; knee space, 19½"; height of desk, 30". Size of pedestal drawers, 9x4½x24". Size of private center drawer, 18½x2x24". Shipping weight, 160 lbs. State whether you want oak or mahogany finish. Price, each, either finish. **$29.50**

No. 1-C-612. Flat Top Office Desks, same construction as above, but larger, 54" long with 20" of knee space between pedestals. Shipping weight 180 lbs. Price, oak or mahogany finish . . . **$32.25**

No. 1-C-113. Flat Top Office Desks, same construction as above, but larger, size, 60" long with 26" knee space between pedestals. Shipping weight, 200 lbs. Price, oak or mahogany finish **$36.00**

Double Flat Top Desks

No. 1-C-658. Double Flat Top Desks, with two pedestals of drawers on each side, size of top, 48x60", space between pedestals, 26". Shipping weight, 280 lbs. Price, each in mahogany or oak finish **$57.00**

Leader Values From Our Big Stocks

Office Tables

$18.95

Finely made, bolted construction office tables made with 5-ply figured oak top, 1" thick, or 5-ply top quartered oak, 1 3/8" thick. All tables 48" long have one drawer. Tables 60x32" long have two drawers. All tables shipped with legs detached to prevent breakage and secure low freight rates. Furnished in bright light oak golden gloss office finish, or dull rubbed mahogany finish.

No. 1-C-960. Office tables with single thick 1" plain oak tops. 48" thick. Shipping weight, 100 lbs. Price.....**$18.95**
60" long, 110 lbs. Price..... **22.95**
72" long, 120 lbs. Price..... **27.50**

No. 1-C-965. Office Tables with double thick quartered oak tops 1 3/8", 48" long. Shipping weight, 105 lbs. Price.....**$22.50**
60" long, 115 lbs. Price..... **26.95**
72" long, 125 lbs. Price..... **31.75**

State finish wanted.

Furnished With
Single or Double Thick
Tops—Three Sizes

ALL TABLES HAVE BRASS CAPPED LEGS
Shipped from Chicago or Warehouse in Indiana

HIGH GRADE OAK AND MAHOGANY DESKS

These splendid desks are made of Select Figured Oak and are furnished in light golden oak office finish, or mahogany finish, dull rubbed. The oak finish desks have double thick quartered oak tops—the mahogany finish desks have birch tops.

No. 1-C-1212. Flat Top Desk, 54" long, 32" deep, width of pedestals, 16", distance between pedestals, 20", height, 30". Shipping weight, 180 lbs. Price, either finish.....**$40.50**

No. 1-C-1213. Same as above, but 60" long, distance between pedestals, 26". Shipping weight, 200 lbs. Price, either finish.....**$42.75**

$40.50

Double Flat Top Desks

No. 1-C-1258. Double Flat Top Desks, two pedestals of drawers on both sides, size of top, 60x48". Distance between pedestals, 26". Shipping weight, 285 lbs.

Price, either finish.....**$65.25**
State finish wanted.

Shipment from Chicago, or warehouse in Southern Indiana.

EXECUTIVE FLAT TOP DESK

$48.00

Dull
Rubbed

Solid Quartered Oak
Mahogany Finish
Brown Walnut Finish

Three
Sizes

Our Pedestal Desks made with built-up tops, 1 3/8" thick, built thruout of quartered oak, light golden finish, or birch in mahogany or walnut finishes.

No. 1-C-2412. Size, 54x32". Shipping weight, 200 lbs. Price, in either finish....**$48.00**

No. 1-C-2413. Size, 60x32". Shipping weight, 210 lbs. Price, in either finish....**$51.25**

No. 1-C-2414. Size, 66x34". Shipping weight, 225 lbs. Price, in either finish....**$54.25**

CONSIDER THESE SAVINGS CAREFULLY!!

BEAUTIFUL MEDALLION VELVET RUG

$37.50

Reduced Prices

Compare the Saving

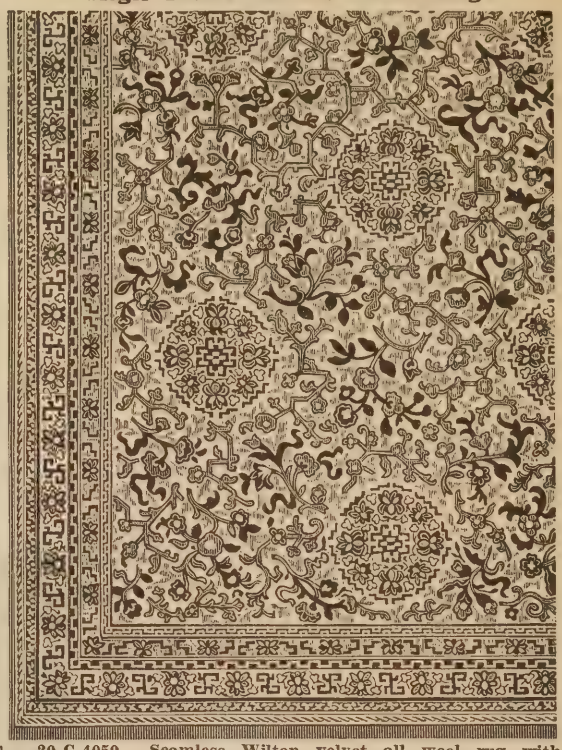
SOFT AND SUBDUED COLORINGS

REAL ORIENTAL PATTERN

20-C-3510. Beautiful medallion center velvet rug. The pile is made of pure wool worsted yarns of fast colors. Firm closely woven back, which will hold the shape of the rug. The predominating colors in this beautiful rug are: delft blue, brown, ivory, rose and maroon. All properly blended, making a pleasing effect.

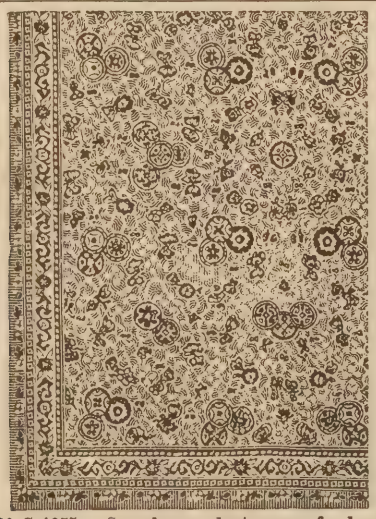
Size	Shipping weight about	Price
9 ft. x 12 ft.	35 pounds	$37.50

High Grade Wilton Velvet Rug!



20-C-4050. Seamless Wilton velvet all wool rug with Chinese oriental effect, suitable for any room. This lot is not limited to this design only. We have other designs: Persian, oriental and small allover in different color combinations. Colors in the rug shown are tan background with figures in brown, blue, pink and other tones.

Size	Shipping weight about	Price
27 in. x 54 in.	3½ lbs.	$ 3.25
36 in. x 72 in.	5 lbs.	6.25
6 ft. x 9 ft.	17½ lbs.	21.50
8¼ ft. x 10½ ft.	30 lbs.	34.50
9 ft. x 12 ft.	35 lbs.	38.75



20-C-4055. Seamless velvet rug of elegant quality; allover Chinese design. Predominating colors are: deep rose, blue, tan, brown and ivory. The close weave and heavy quality of this rug assure lasting wear under hard usage.

Size	Shipping weight about	Price
27 in. x 54 in.	3½ lbs.	$ 3.25
8¼ ft. x 10½ ft.	30 lbs.	34.50
9 ft. x 12 ft.	35 lbs.	38.75

20-C-4060. Seamless velvet rug, strictly oriental design. Pleasing and popular subdued colorings in brown, blue, rome red and black. We have in this lot a number of oriental designs with blue background. A number of other color combinations. (State your preference.)

Size	Shipping weight about	Price
27 in. x 54 in.	3½ lbs.	$ 3.25
36 in. x 72 in.	5 lbs.	6.25
8¼ ft. x 10½ ft.	30 lbs.	34.50
9 ft. x 12 ft.	35 lbs.	38.75

20-C-3525. Seamless velvet rug. A Persian oriental design of real beauty. The handsome oriental figures and the color combination of rose background with other harmonizing soft tones, make this rug highly pleasing and suitable for any room.

Size	Shipping weight about	Price
27 in. x 54 in.	2¾ lbs.	$ 2.95
36 in. x 72 in.	5 lbs.	5.65
8¼ ft. x 10½ ft.	25 lbs.	31.75
9 ft. x 12 ft.	30 lbs.	34.95
11¼ ft. x 12 ft.	34 lbs.	48.50

HIGH GRADE RUGS AT PRICES YOU WILL BE GLAD TO PAY

Beautiful Seamless Axminster Rug

$46.75

6x9 Size

The Quality of This Rug Will Surprise You

Fringed Royal Wilton Rug

A Design of Rare Beauty

20-C-5020. Splendid quality seamless Axminster rug. Very popular Persian oriental design. Color combinations are: rose background with oriental figures in tan, blue, ivory, brown, gold. All harmoniously blended.

Size	Shipping weight about	Price
18 in. x 34 in.	1½ lbs.	$ 1.95
27 in. x 52 in.	2¾ lbs.	3.25
36 in. x 63 in.	4 lbs.	5.25
8¼ ft. x 10½ ft.	26 lbs.	29.75
9 ft. x 12 ft.	30 lbs.	34.25

20-C-9015. A wonderful quality Royal Wool Wilton rug. Superior to all others for wear. Reproduction of finest Persian rugs. The colors are rose ground with figures in blue, tan, ivory, grey and other soft shades. There are also a number of other designs, small allover, Persian or medallion centers. (State your choice.)

Size	Shipping weight about	Price
27 in. x 54 in.	4½ lbs.	$ 8.25
6 ft. x 9 ft.	22½ lbs.	46.75
8¼ ft. x 10½ ft.	38 lbs.	59.75
9 ft. x 12 ft.	45 lbs.	74.50

20-C-5010. Heavy seamless Axminster rug. Excellent wearing quality. Color of tan background with figures of a harmonious combination of tan, blue, pink, ivory and other shades.

Size	Shipping weight about	Price
36 in. x 63 in.	4 lbs.	$ 5.25
8¼ ft. x 10½ ft.	26 lbs.	29.75
9 ft. x 12 ft.	30 lbs.	34.25

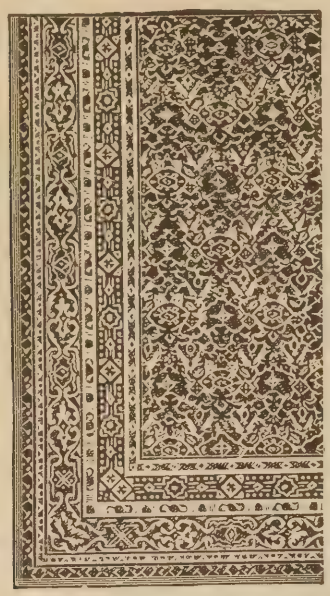
20-C-5025. Fine quality seamless Axminster rug. Chinese oriental effect. Soft shades of blue, rose, tan, ivory and brown are predominating in this lot.

Size	Shipping weight about	Price
27 in. x 52 in.	2¾ lbs.	$ 3.25
6 ft. x 9 ft.	15 lbs.	19.00
8¼ ft. x 10½ ft.	26 lbs.	29.75
9 ft. x 12 ft.	30 lbs.	34.25

20-C-9020. Royal Wilton rug, closely woven, made to last a lifetime. Tan background with figures of blue, rose and gold as the predominating colors.

Size	Shipping weight about	Price
27 in. x 54 in.	4½ lbs.	$ 8.25
6 ft. x 9 ft.	22½ lbs.	46.75
8¼ ft. x 10½ ft.	38 lbs.	59.75
9 ft. x 12 ft.	45 lbs.	74.50

Consider the SPECIAL SAVINGS ON THESE BRUSSELS RUGS



20-C-2015. Seamless tapestry Brussels rug in a popular allover design of oriental figures. The predominating colors are tan, brown, blue, rose and other soft shades. There are also in this lot some medallion center designs. When ordering state your preference of design and color combinations.

Size	Shipping weight about	Price
7½ ft. x 9 ft.	17½ lbs.	$11.95
8¼ ft. x 10½ ft.	21 lbs.	15.95
9 ft. x 12 ft.	25 lbs.	17.95

20-C-2010. All wool worsted face seamless Brussels rug in a very attractive floral design. Colors are tan, brown, rose, pink, olive, and other shades. A Brussels rug is easy to sweep and keep clean. Will give lasting service.

Size	Shipping weight about	Price
7½ ft. x 9 ft.	17½ lbs.	$11.95
8¼ ft. x 10½ ft.	21 lbs.	15.95
9 ft. x 12 ft.	25 lbs.	17.95

20-C-2520. Seamless Brussels rug, woven with an all wool face. Long service under hardest wear assured. The allover design in this lot will go well with the furnishings of any room. Predominating colors are of tan, ivory, brown, olive green, and a trace of blue. State your preference of color.

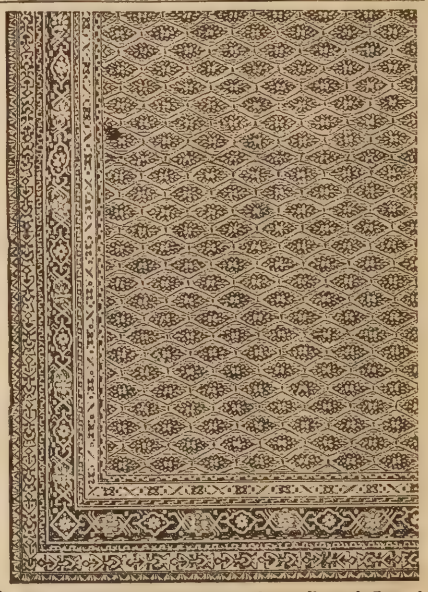
Size	Shipping weight about	Price
6 ft. x 9 ft.	14 lbs.	$ 9.98
8¼ ft. x 10½ ft.	23 lbs.	16.75
9 ft. x 12 ft.	27 lbs.	18.25

20-C-2510. A fine tapestry Brussels rug, woven with an all wool face. Beautiful medallion center design, well covered with artistic oriental figures. Background color is tan with figures in a combination of brown, blue, ivory and black. This rug is easy to sweep and therefore easy to keep clean. You will be well pleased with the beautiful medallion pattern.

Size	Shipping weight about	Price
8¼ ft. x 10½ ft.	23 lbs.	$16.90
9 ft. x 12 ft.	27 lbs.	18.45

20-C-2535. High grade seamless Brussels rug; very cheerful design in a beautiful color combination of tan and brown background with floral figures in ivory, pink, light green and other beautiful soft tones. Note the neat border of this rug.

Size	Shipping weight about	Price
7½ ft. x 9 ft.	20 lbs.	$14.50
8¼ ft. x 10½ ft.	24 lbs.	18.90
9 ft. x 12 ft.	28 lbs.	21.75



20-C-2540. An excellent seamless, all wool Brussels rug in a small allover design with a beautiful border. In this special lot we have a variety of oriental designs and color combinations. We have these rugs in a blue background with figures in ivory, tan and pink, also a rose background with oriental figures in ivory, blue and tan colors. Give us your preference of design and color.

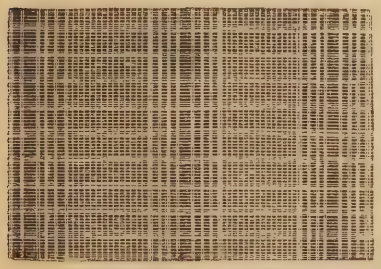
Size	Shipping weight about	Price
27 in. x 54 in.	2¼ lbs.	$ 1.98
7½ ft. x 9 ft.	20 lbs.	14.75
8¼ ft. x 10½ ft.	24 lbs.	19.00
9 ft. x 12 ft.	30 lbs.	21.95
11¼ ft. x 12 ft.	35 lbs.	27.90

REDUCED PRICES ON RUGS and INGRAIN CARPETS for All Rooms

20-C-1025. Handsome wool and fibre rug. We have only a limited number of these low priced rugs. Allover designs in tan, brown, maroon, green and other colors.

Size feet	Shipping Weight	Price
6x 9	9 lbs	$3.50
9x 9	14 lbs	4.95
9x12	18 lbs	5.75
9x15	22 lbs	7.65
12x12	24 lbs	7.95

20-C-1565. A very neat, half wool, ingrain carpet. Closely woven of select yarns. Reversible. Tan background with figures of soft shade of brown, olive green, ivory and other colors. Room size carpets will be sewed at 4c per yard extra. Send measurements and diagram. 36 in. wide. Shipping weight about 1¾ pounds.
Price, per yard..... **63c**



20-C-414. Best quality rag carpeting made of thoroughly cleaned colored rags bound with a cotton warp, one of the best and cheapest floor coverings you can use. A rag carpet always radiates warmth and comfort, giving the rooms of your home an inviting appearance. Mixed colorings. Material 36 in. wide. Shipping weight, 2 lbs.
Per yard **55c**

SPECIAL SMALL RUG SNAPS

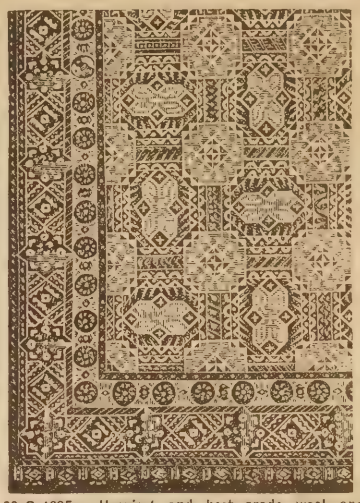
20-C-404. Seamless Axminster rugs. These attractive and durable rugs are offered in medallion centers and allover oriental, designs. Also some floral designs. Color combinations: tan, brown, blue, rose and other shades.
Size 27x54", wt. 2¾ lbs., **$2.75**
Size 36x63", wt. 4 lbs., **4.90**

20-C-405. Seamless velvet rugs. We have a limited number of good quality velvet rugs in allover and oriental designs. Also a number of medallion center designs. Color combinations of tan, brown, rose, blue and ivory predominate.
Size 27x54", wt. 3½ lbs., **$2.85**
Size 36x72", wt. 5½ lbs., **4.98**

IMPORTED GRASS RUGS
FOR EVERY ROOM

20-C-480. Imported Grass rugs. Artistic Japanese patterns. Also plain centers with Grecian borders. Seamless and durably stitched. Easily cleaned with damp cloth and light shaking. Predominating colors are: blue, green, ivory, brown and tan, all nicely blended. (State your preference.)

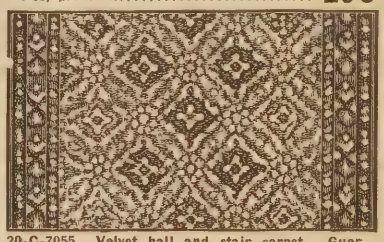
Size	Shipping weight about	Price
27 in. x 54 in.	1¾ lbs	$0.60
36 in. x 72 in.	3¾ lbs	1.15
4 ft. 6 in. x 7 ft. 6 in.	7½ lbs	1.95
8 ft. x 10 ft.	18 lbs	4.50
9 ft. x 12 ft.	23 lbs	5.45



20-C-1035. Heaviest and best grade wool and fibre rug. Seamless. Neat and sanitary. Very durable. The color effects are in shades of tan, blue, brown, green and other tones, harmoniously blended. We have a number of other beautiful designs in various color combinations. (State your preference.)

Size, feet	Shipping weight about	Price
6x 9	15 lbs	$ 5.25
9x10½	26 lbs	8.75
9x12	30 lbs	9.50
9x13½	34 lbs	11.90
9x15	38 lbs	12.75

20-C-7515. Reversible Ingrain stair carpet of wool and cotton mixed yarns. Size 22½ in. wide. Shipping weight about 12 oz.
Price, per yard..... **29c**



20-C-7055. Velvet hall and stair carpet. Guaranteed to give best service. Tan background with figures in a combination of ivory, light blue, brown and pink. Size 27 in. wide. We will make up room sized carpets out of the hall carpet, cut and sewed by hand ready to lay on the floor, at only 8c per yard extra for cutting, matching and sewing. Shipping weight about 2 lbs.
Price, per yard..... **$1.79**

20-C-7030. Fine grade of tapestry Brussels hall and stair carpet. All wool worsted face. Very close weave. Size 27 in. wide. We will make up room sized carpets out of the hall carpet, cut and sewed by hand and ready to lay on the floor at only 8c per yard extra for cutting, matching and sewing. Shipping weight about 1-2/3 pounds.
Price, per yard..... **$1.65**

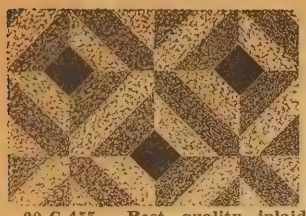
20-C-8675. America's best and heaviest Axminister hall runner. Elegant oriental medallion design. Well covered with beautiful figures. Tan background with blue as the predominating color in larger figures. Rose, light blue, ivory and other soft tones in smaller figures. The picture represents only one of many designs in stock now.

FINEST AXMINSTER HALL RUNNERS

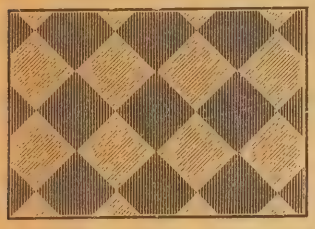
Size feet	Shipping weight about	Price
2¼x 9	8 lbs	$ 7.95
2¼x12	11 lbs	10.85
2¼x15	14 lbs	13.75
3 x12	15 lbs	14.65

Reduced Prices on Linoleum and Congoleum Rugs

Inlaid Linoleum

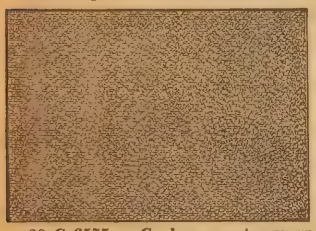


20-C-455. Best quality inlaid linoleum in a pleasing block pattern. It comes 6 ft. wide. Colors are gray, ivory and blue. Also other designs and color combinations. Describe your choice when ordering. Shipping weight per running yard about 14 lbs.
Sale price, per running yard..... **$2.70**



20-C-6540. Best and heaviest grade inlaid linoleum. Blue and white tile effect. Suitable for kitchens, bathrooms, restaurants, and rooms where a clean sanitary effect is desired. Material will last many years. Shipping weight per running yard about 16 lbs.
Price running yard, 2 yards wide.. **$2.90**

Heavy Cork Linoleum

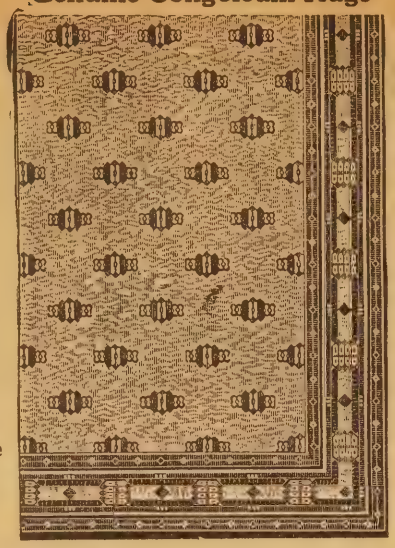


20-C-6575. Cork carpet; very durable, resilient and useful. Especially adapted for public places, like schools, churches, billiard halls, stores, etc. Furnished in tan or green colors. Shipping weight per running yard about 18 lbs.
Price, running yard, 2 yards wide..... **$2.90**

Genuine Congoleum Rugs

Clean and Sanitary

Desirable for any room in the house



$15.95 9x12 Size

Beautiful colorings

Allover pattern

20-C-410. Best quality Neponset rug. These rugs are sanitary, durable and easily kept clean. The waxed back makes it waterproof and prevents it from sticking to floor. This is positively the best rug of its kind on the market. Beautiful allover design. Colors of background are ivory and blue. Figures are light blue, ivory and rose. We also have in stock other attractive oriental patterns. The background colors in this lot are tan with figures of two-tone brown, light blue, rose and ivory.

Size	Shipping weight about	Price
6 ft. x 9 ft.	26 lbs.	$ 8.25
7½ ft. x 9 ft.	33 lbs.	9.75
9 ft. x 12 ft.	55 lbs.	15.95
9 ft. x 15 ft.	65 lbs.	19.75

Printed Linoleum

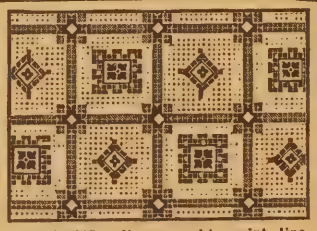
Heaviest and best quality print linoleum. Material is made of the purest grade of linseed oil and cork, colors are mostly tan, brown, green, some blue and ivory. Printed extra thick.

Order lot 20-C-430 for block patterns in various pleasing color effects.

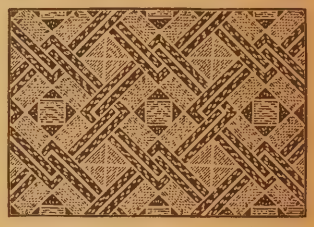
Order lot 20-C-435 for tile pattern in blue and white. Shipping weight per running yard, 2 yard width, about 11 lbs.; 4 yard width about 20 lbs.
Price, running yard, 2 yds. wide.. **$1.98**
Price, running yard, 4 yds. wide.. **4.28**

20-C-6015. Heaviest and best print linoleum. Background of tan with figures in ivory, tan, blue, and light green. Particularly pleasing Mosaic effect, which combined with excellent quality of material and our very low price make this a splendid bargain. Shipping weight per running yard, 2 yard width, about 11 lbs.; 4 yard width about 20 lbs.
Price, running yard, 2 yds. wide.. **$1.98**
Price, running yard, 4 yds. wide.. **4.28**

20-C-6040. Feltoleum 2 yards wide. An excellent design for large rooms. Background colorings are ivory and olive green with figures in ivory, dark green and black. The color in the center of the star is red, making the combination very harmonious. Shipping weight per running yard about 10 lbs.
Price, running yard, 2 yards wide..... **$1.30**



20-C-6085. Heavy quality print linoleum. The most pleasing tile pattern, neat and sanitary. Adaptable for any room in the house, mostly for kitchens and dining rooms. Ground colors are ivory and tan with figures in blue, brown, tan and olive green, making it a splendid floor covering. Shipping weight per running yard, 2 yard width about 10 lbs.; 4 yard width about 18 lbs.
Price, running yard, 2 yds. wide.. **$1.86**
Price, running yard, 4 yds. wide.. **3.96**



20-C-6065. Heavy Print Linoleum. This fine tile wood color and parquetry design is very popular and adapted for any purposes. This material is used extensively for all rooms in the home, for show windows and everywhere parquet effect is wanted. Colors are of tan, brown with a trace of black. Shipping weight per running yard, 2 yard width about 18 lbs.
Price, running yard, 2 yds wide.. **$1.86**
Price, running yard, 4 yds. wide.. **3.96**

Rubber Matting

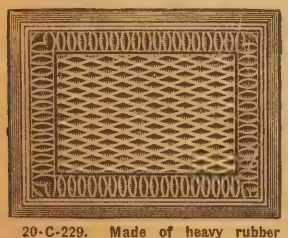
20-C-230. Heavy quality, corrugated. Excellent grade. Comes in rolls, 27 and 36 inches wide. A noiseless, long-wearing and cleanly floor covering for aisles, public buildings, etc. Weight, 5¾ lbs. and 7½ lbs. per yard.
Price, per yard, 27 inches wide..... **$0.98**
Price, per yard, 36 inches wide..... **1.18**

HOW TO ORDER LINOLEUM

The meaning of running yard: The linoleum on this page is priced at the running yard, which means that one yard of linoleum of the 2-yard width is actually 2 square yards; 1 yard of the 4-yard width is 4 square yards. When you are not certain of how much you need for your room, send us your dimensions, and we will estimate the cost of all grades you wish to buy from this page.

Feltolin Rug Border

20-C-6075. We can furnish this rug border 24 in. wide and 36 in. wide. It is largely used for bordering room sized carpets. Shipping weight per square yard, 24 in. width, about 3½ lbs.; 36 in. width, about 5 lbs. This material comes in a dark brown imitation oak color, and can be used in any room of the house for the purpose stated above.
Price, 24 in., per yard..... **51c**
Price, 36 in., per yard..... **62c**



Rubber Door Mats

Sizes 18 x 30 ins.

98c

20-C-229. Made of heavy rubber with diamond design center, assorted borders. Closed bottom keeps the floor clean.

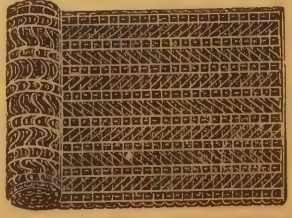
20-C-227. Cocoa Fibre Door Mats. Heavy quality in natural color. Lasting and sanitary.

95c

24 by 14 in..... **$ .95**
30 by 18 in..... **1.45**
27 by 16 in..... **$1.18**
33 by 20 in..... **1.75**

Roll-Up Steel Mat

Special Sizes Made to Order, 28c Square Foot.



20-C-231. Made of cold rolled steel. Galvanized to make it non-rusting. Can be rolled up and is very easy to clean or move. Perfectly flexible. ⅜ inch thick.

17 by 24 in. **$1.45**
20 by 30 in.... **$1.98**
22 by 36 in.... **2.75**

INDEX

A

Adjusters, Casement Window.... 64
Adze Handler 320
Adzes 313
Air Cocks 281
Alcoves, Built-In 36
Altitude Gauges 279
Aluminum Bronze Powder 280
Andirons 56
Angle Valves 281
Anvils 318
Armored BX Wire 72
Art Glass 58
Asbestos, Cement 280
Asbestos Paper 288
Asbestos Pipe Covering 280
Ash Pit Doors 67
Ash Pit Traps 56
Asphalt Paint 79
Astragals, Door 40
Automobile Enamel 78
Automobile Supplies 332
Axe Handles 320
Axes 313

B

Balusters 41
Barbed Wire 298
Barn Paint 77
Barn Sash 25
Bars, Towel 267
Base Blocks 27
Base Mould 27
Bath Traps 268
Bath Tubs 246
Bathroom Fixtures 266
Bathroom Outfits 242
Batteries, Dry 75
Beam Ceiling 37
Bells, Electric 75
Bells, Farm 325
Belting 351
Bevel Siding, House 50
Bins, Flour 30
BINS, STEEL **336**
Birch Doors 11
Bits, All Kinds 314
Bits, Drill 314
Black Pipe 271
Blacksmith's Tools 316
Blast Furnaces, Plumbers' 265
Block and Tackle 300
Blowers, Blacksmiths' 318
Blow Torches, Gasoline 265
Boiler Cement 280
Boiler Drain Cocks 266
Boiler Tubes 271
Boilers, Heating 274-371
Boilers, Range 259
Bolts, Chain 20
Bolts, Foot 20
Bolts, Mixed 322
Bolts, Sink 268
Bone Cutters 339
Bone Mills 339
Book Case Doors 30
Book Cases, Built-In 31
Bowls, Closet 257
Boxes, Conduit 73
Braces 314
Brackets, Eaves 41
Brackets, Electric 68
Brackets, Expansion Tank 279
Brackets, Sink 268
Branch Tees 273
Brass Traps, Plumbing 268
Breakfast Rooms, Built-In 36
Brick Siding, Wood 50
Bridges, Steel 95
Bronze Powder, Gold & Aluminum 280
Bronzing Liquid 280
Brushes, Bath 267
Brushes, Flue 273
Brushes, Paint 78
Bubbler Fountains 258
Buffets, Built-In 32
BUILDERS' HARDWARE **59**
Building Paper 45
Buildings, Steel 86
Bumper, Door 65
BX Wire 72

C

Cabinets, Wood 33
Cabinets, Steel 349
Cable, All Kinds 301
Calking Chisels 265
Carpenters' Tools 312
Casing, Trim 27
Casters, All Kinds 65
Catches, Door 65
Cattle Fencing 295
Ceiling, Beam 37
Ceiling Flanges 279
Cellar Sash 25
Cement, Asbestos 280
Cement Block Machines 329
Cement, Boiler 280
Cement, Boiler Joint 280
Cement Floor Coating 81
Cement, Roof Liquid 78
Cement Wall Coating 81
Cemetery Fencing 291
Chain 323
Chain Bolts 20
Chain Hoists 300
Chair Rail 27
Check Valves 281
Chemical Toilets 271
China Closet Doors 30
Chisels 313
Chisels, Calking 265
Chutes, Coal 67
Circular Saws 311
Clamps, Hydrant 266
Cleaner, Paint 79
Cleaner, Wall Paper 79
Cleats, Porcelain 72
Closet Bowls, Tanks, Seats 256
Closet Doors 30
Closet Outfits, All Kinds 254
Closet Tank Valves 268
Closet Windows 22
Clutch Pulleys 345
Coal Chutes 67
Cob Crushers 339
Cobbler Tools 323
Cocks, Air 281
Cocks, All Kinds 264
Colonnades 31
Colors in Oil 79
Columns, Outside 40
Columns, Porch 41
Compression Cocks 281
Concrete Mixers 335
Conductor Pipe 52
Conduit Boxes 73
Conduit Fittings 72
Conduit Pipe 72
Conduit Straps 72
Copper Wire, Electric 72
Cord, Sash 64
Corn Shellers, Hand 339
Corner Bead 40
Cornice Moulding 37
Corrugated Steel Roofing 82
Cottage Windows 19
Counter Shafts 333
Couplings, Sink 268
Cove, Mould 27
Covering, Pipe 279
Cream Separator Pulleys 345
CREAM SEPARATORS **342**
Creosote Shingle Stain 79
Crow Bars 316
Cupboard Doors 30
Cups, Grease 270
Cups, Oil 270

D

Dampers, Fireplace 56
Dampers, Smoke Pipe 280
Dipping Tanks 302
Door Bumpers 65
Door Casing 27
Door Frames 44
Door Holders 20

Door Jambs 37
Door Screens 46
Door Stops 27
Door Trim 28
Doors, All Kinds 8
Doors, Ash Pit 67
Doors, French 16
Doors, Garage 20
Doors, Mirror 17
Doors, Multifold 17
Doors, Storm 46
Doors, Vault 349
Drainage Fittings 273
Drawer Cases, Built-In 34
Drawers, Wood 30
Dripcap Moulding 45
Drop Siding, House 50
Dry Batteries 75

E

Eaves Brackets 41
EAVES TROUGH 52
Electric Fixtures 68
Electric Sockets 74
Electric Wiring Material 73
Elevators 370
Emery Grinders 333
Enamel, All Kinds 78
Enamel, Automobile 78
Engines, Gasoline and Kerosene 346
Ensilage Cutters 348
Entrance Switches, Electric 73
Entrances, Front 18
Expanders, Pipe Tube 273
Expanders, Roller Tube 270
Expansion Tank Brackets 279
Expansion Tanks 279
Extension Ladders 80
Extension Lights 75

F

Factory Sinks 258
Farm Bells 325
Farm Fencing 294
Farm Gates 297
Farm Implements 339
Faucets 264
Feed Cookers, Stock 303
Feed Grinders 339
Feed Mills 339
Feed Troughs 334
FENCING, ALL KINDS 291
Fencing, Cemetery 291
Ferrules, Boiler Tube 273
Ferrules, Pipe 273
Files, All Kinds 309
Filler, Liquid Wood 80
Fillet Stair 39
Fir Doors 8
Fireplace, Dampers 56
Fireplace Mantles 56
Fireplace Outfits 56
Fittings, Pipe—All Kinds 273
Fittings, Soil Pipe 269
Fixtures, Electric 68
Flanges, Ceiling 279
Flanges, Floor 273
Flat Wall Paint 78
Floor Flanges 279
Floor Paint 81
Floor Scrapers 67
Flooring 51
Flour Bins 30
Flue Brushes, Expansion 273
Flue Scrapers 272
Folding Door Astragals 40
Foot Bolts 20
Force Cups, Plumbers' 268
Force Pumps 305
Forges, All Kinds 317
Forks, All Kinds 316
Fountains, Drinking 258
Frames, Door 44
Frames, Sash 43
Frames, Screen 48
Frames, Windows 21
French Doors 16
French Windows 21
Front Doors 8
Front Entrances 18
Fuller Balls 268
Furnace Equipment, Warm Air 287
Furnaces, All Kinds 282
Furnaces, Plumbers, Blast 265
FURNITURE 375
Fuse Plugs 73

G

Galvanized Iron Roofing 82
Galvanized Pipe 271
Garage Doors 20
GARAGES, STEEL 91
GARAGES, WOOD 225
Gas Cocks 281
Gas Grates 56
Gas Log Stands 56
Gas Logs 56
Gas Water Heaters 259
Gasoline Engines 347
Gasoline Tanks 302
Gate Valves 281
Gates, Farm—Drive—Lawn 296
Gauges, Altitude 279
Gauges, Steam 270
Gauges, Water 270
Glass, Art 58
Glass Knobs, Door 62
Glass Shelves 267
Glass Tubes, Water Gauge 270
Globe Valves 281
Glue 80
Governors, Heat 279
Grass Shears 331
Grates, Fireplace 56
Grates, Gas 56
Grease Cup Wrenches 332
Grease Cups 270
Green Bone Cutters 339
Grinders, Emery 333
Grinders, Feed 339
Grindstones 320
Grist Mills 339
Guarantee 3
Gutters, Rain 52

H

Hall Seats 17
Hall Windows 22
Handles, Axe, Pick and Sledge 320
Hangers, Door 66
Hangers, Pipe 280
HARDWARE, BUILDERS' 59
Hardware, General 309
HARRIS HOMES 97
Hatchets 313
Hay Carrier Outfits 328
Hay Knives 331
Heat Governors 279
Heaters, Gasoline, Water 252
Heaters, Gas, Water 259
Heaters, Tank 290
Heaters, Water 259
Heating Boilers 274
HEATING PLANTS 274
Heating Plant Tools 290
Hinges, All Kinds 20-64-66
Hoes 330
Hog Fencing 295
Hog Troughs 334
Hoists, Chain 300
Holders, Door 20
Hook Plates 273
Hooks, Wardrobe 65
Hoppers, Slop 258
Hose, All Kinds 350
Hot Bed Sash 58
Hot Water Heating Plants 274
Hot Water Radiators 278
Hot Water Thermometers 279
House Paint 76
HOUSE WIRING MATERIAL 72
Houses 97-223
Hydrant Clamps 266

I

"I" Beam Trolleys 300
Indoor Closets 271
Injectors 270
Interior Columns 40
Interior Doors 12
Interior Stairways 38
Interior Trim 27

J

Jack Screws 301
Jacks, Auto 332
Jacks, House Raising 301
Jacks, Pump 307
Jacks, Ratchet 301
Jambs, Door 37
Japan 81
Joint Cement 280
Jump Spark Coils 75

K

Kalsomine 81
Kerosene Engines 346
Kitchen Cabinets, Built-In 33
Kitchen Sinks 250
Kitchen Tables, Built-In 34
Knobs, All Kinds 62
Knobs, Porcelain Electric 73

L

Lacquer, High Gloss 79
Ladders, All Kinds 80
Landing Windows 22
Latches, Door 62
Lath, All Kinds 51
Lattice Strips 45
Laundry Tubs 257
Laundry Stoves 290
Lavatories, All Kinds 248
Lawn Fencing 295
Lawn Mowers 330
Lead Pipe 265
Lead, Red 280
Lead, Sheet 265
Lead Traps 268
Lead, White 79
Leaded Glass 58
Lenses, Auto 332
Lifts, Safety 300
LIGHTING FIXTURES 68
Lights, Extension 75
Linen Cabinets, Built-In 33
Lintels, Steel 96
Lock Sets, Door 59
Lockers, Steel 349
Locks, All Kinds 62, 309
Lubricating Oil 79
Lubricators 270
LUMBER, ALL KINDS 50

M

MACHINERY 356
Manifolds, Pipe 273
Mantle Shelves 31
Mantles 56
Medicine Cabinets 35-267
Medicine Cabinets, Built-In 35
Mills, Bone 339
Mills, Feed 339
Mills, Grist 339
Mills, Wind 304
MILLWORK 8
Mirror Doors 17
Mixers, Concrete 335
Mixing Faucets 266
Mould, Stair 38
Moulding, Interior 27
Mouldings, Outside 45
Mowers, Lawn 330
Multifold Doors 20

N

Nails, All Kinds 66
Netting, Poultry 296
Newels, Porch 41
Newels, Stair 38
Nosings, Moulding 38, 45
Nosing, Stair 38
Novelty Siding 50
Nuts, All Kinds 322

O

Oak Doors 10, 13
Oakum 265
Office Safes 338
Oil Cups 270
Oil Stains 79
Oil Tanks 302
Oils 79
Ordering Instructions 3
Outlet Boxes, Electric 74
Outside Columns 40

P

Padlocks 309
PAINT 76
Paint Brushes 78
Paint Cleaner 79
Painting Machines 78
Paper, Asbestos 288
Paper, Building 45
Paper Holders, Toilet 267
Paper, Sand 80
Pergolas 40
Picture Mold 27
Pine Doors 11, 14
Pipe, All Kinds 270
Pipe, Conductor 52
Pipe, Conduit 72
Pipe Covering 279
Pipe Fittings, All Kinds 272
Pipe Hangers 280
Pipe, Lead 265
Pipe, Smoke 280, 289
Pipe, Soil 269
Pipe Stocks and Dies 324
Pipe Vises 323
Planes, All Kinds 251-313
PLASTER BOARD 54
Plastering Lath 51
Plate Rail 40
Platform Scales 326
Pliers, All Kinds 315
Plugs, Bath 268
Plugs, Fuse and Cartridge 73
Plugs, Sink 268
PLUMBING MATERIAL, ALL KINDS 242
Pop Safety Valves 281
Porcelain Tubes and Cleats 72
Porch Paint 80
Porch Trim 41
Post Hole Diggers 254, 316
Poultry Fencing 295
Poultry Wire 296
PREPARED ROOFING 82
PRESTO-UP GARAGES 225
PRESTO-UP HOMES AND COTTAGES 193
Pruning Shears 330
Pulleys, All Kinds 345, 354
Pulleys, Cream Separator 345
Pulleys, Sash 64
Pump Cylinders 305
Pump Jacks 307
Pumps, Auto Tire 332
Push Buttons, Electric 75
Putty 80

Q

Quarter Round 27, 45

R

Radiator Bronze Powder 280
Radiator Valves 279
Radiators, All Kinds 278
Radiators, Auto 202
Rafter Ends 41
Rail, Plate 40
Rail, Porch 41
Rail, Stair 38
Railing Fittings 273
Rakes 268, 330
Range Boilers 259
Reamers, Iron & Wood 325
Red Lead 280
References 3
Registers, Furnace 288
Risers, Stair 39
Rivets 322
Roller Tube Expanders 273
Rollers, Barn Door 66
Rollers, Furniture 65
Roof Cement, Asbestos Fibre 78
Roof Cement, Liquid 78
Roof Ventilators 53
ROOFING, ALL KINDS 82
Rope, All Kinds 328
Rope, Ladders 80
Round Edge Stops 27
RUGS 396
Rules, All Kinds 315

S

Safes 338
Safety Lifts 300
Safety Valves 281
Sandpaper 80
Sash, All Kinds 22
Sash Cord 64
Sash Hardware 64
Sash, Hot Bed 58
Sash, Storm 46
Saw Frames 310
Saws, All Kinds 310
Scales, All Kinds 325
Scrapers, Ditch 331
Scrapers, Floor 67
Scrapers, Flue 273
Scrapers, Road 330
Screen, Frames 48
Screen Wire 299
Screens, Door and Window 46
Screw Drivers 314
Scythes 331
Seats, Bath Tub 267
Seats, Closet 256

Seats, Hall 17
Separators, Cream 342
Sheaves, Rope and Wire 301
Shellac 81
Shellers, Hand, Corn 339
Shelves, Bath Room 267
Shelves, Plate Glass 267
Shingles Stain, Creosote 79
Shingles 51
Shingles, Asphalt 85
Shoe Repairing Outfits 323
Shoe, Stair 39
Shovels 316
Shower Baths 258
Shutters 21
Sideboards, Built-In 33
Sidelights 19
Siding, House 50
Signals, Auto 332
Sill Cocks 266
Sink Parts 268
Sinks, All Kinds 251
Sinks, Factory 258
Sliding Door Astragals 40
Slop Sinks 258
Smoke Pipe 280, 289
Smoke Stack 372
Snatch Blocks 300
Snaths 331
Soap Dishes 267
Sockets, Electric 74
Soil Pipe Fittings 269
Solder 265
Soldering Outfits 265
Spark Coils 75
Spark Guards, Fireplace 56
Spark Plugs 332
Sponges 80
Sprays, Bath 267
Squares, Carpenters' 315
Stain, Creosote Shingle 78
Stains, Oil and Varnish 79
Stains, Wood 79
Stairways, Interior 38
Stair Windows 22
Stall Sash 25
Stands, Gas Log 56
Steam Cocks 281
Steam Gauges 270, 279
Steam Heating Boilers 274
Steam Radiators 278
Steel Bins 336
Steel Buildings 86
Steel Cabinets 349
Steel Cable 301
Steel Garages 86
Steel Lockers 349
STEEL ROOFING 82
STEEL SAFES 338
STEEL, STRUCTURAL 77
Steel Tanks 302
Steel Wool 80
Step-ladder 80
Stocks and Dies 324
Stop Cocks 265
Stops, Door & Window 27, 45, 65
Storage Tanks 302
Storm Doors & Windows 46
Stoves, Laundry 290
Strainers, Sink 268
Strap Iron Pipe Hangers 280
Straps, Conduit 72
Stringers, Stair 38
Strips, Moulding 27, 45
STRUCTURAL STEEL 86
Stucco Lath 51
Summer Cottages 6
Supply Pipes, Plumbing 264
Switch Boxes 74
Switches, Electrical 72

T

Tables, Kitchen 35
Table Blocks 300
Tank Heaters 290, 303
TANKS, ALL KINDS 302, 373
Tanks, Closet 256
Tanks, Expansion 279
Terms 3
Thermometers, Hot Water 279
Thresher Tanks 303
Thresholds, Hardwood 40
Toilet Paper Holders 267
Toilets, Indoor Chemical 271
Tools, All Kinds 312
Tools, Heating 290
Torches, Gasoline Blow 265
Towel Bars 267
Transformers, Electric Bell 75
Transom Hardware 64
Transoms 19, 25
Traps, All Kinds 268
Traps, Bath 268
Traps, Fireplace Ashpit 56
Traps, Lead 268
Traps, Plumbing 268
Treads, Stair 39
Tree Pruners 330
Trim, Door & Window 28
Trim, Interior 27, 40
Trim, Outside 40
Trolleys, "I" Beam 300
Trough, Eaves 53
Troughs, All Kinds 334
Trowels, All Kinds 316
Tubes, Boiler 271
Tubes, Porcelain 72
Tubs, Bath 246
Tubs, Laundry 257
Turnbuckles 300

U

Urinals 258

V

Valves 281
Valves, Closet Tank 268
Valves, Radiator 279
Varnish 78
Varnish Stains 79
Vault-Doors 349
Ventilators, Roof 53
Vises, All Kinds 320

W

Wagon Tanks 303
Wainscoting 37, 51
Wainscoting Caps 27
WALL BOARD 55
Wall Paint, Flat 78
Wall Paper Cleaner 79
Wardrobe Hooks 65
Warm Air Furnaces 282
Water Closets 254
Water Gauges 270, 279
Water Heaters 259, 280, 290
Water Heaters, Gas 259
Water Works Outfit 260
Waterproof Wire 72
Watertable Moulding 45
Wheel Barrows 331
Wheels, Emery 333
White Lead 79
Whitewashing Machines 78
Whistles, Steam 270
Wind Mills 304
Window Casing 27
Window Frames 44
Window Steel 27
Window Stops 27, 45
Window Trim 28
Windows 22
Windows, Cottage 19
Windows, Fancy 24
Windows, French 21
Windows, Hall 22
Windows, Landing 22
Windows, Stair 22
Wire, All Kinds 298
Wire Cloth, Galvanized 299
Wire, Electric 72
Wire Fencing 291
Wire Nails 299
Wire Rope Accessories 301
Wire Rope and Strand 301
Wire Rope Blocks 300
Wire, Rubber Covered 72
Wire, Screen 299
Wire Splicers 299
Wire Stall Guards 299
Wire Stretchers 299
Wire Tighteners 299
Wire Window Guards 299
Wiring Material House 72
Wood Filler, Liquid 80
Wood Garages 225
Wood Stains 79
Wood, Steel 80
Wood Tanks 303
Wood Working Machinery 360
Wrenches, All Kinds 315, 319, 323
Wrenches, Grease Cup 332
Wrought Iron Fencing 291

It's Easy to Order from This Book

EVERY illustration and statement in this catalog has been made with but one object in view—to make it easy for you to order your needs with a feeling of safety. We have endeavored to confine our descriptions to plain language, easily read and understood by any one. An order blank is enclosed with this book. Tear it out. Write your name, postoffice and shipping address plainly and list the numbers of all articles, being careful to give size, finishes, colors, etc. Then mail your order to us in the envelope enclosed and we will do the rest. If you have never dealt with us before, please read over the following points of information. Follow these buying points and you will aid us in giving you best service.

Please Read How We Handle Your Order

Our mail comes to us just the same as yours reaches you. At regular hours each day the mail carrier from the Chicago Postoffice delivers our mail within our steel enclosed mail receiving department. Here it is received by our confidential bonded mail receiving clerks. Your letters and orders are carefully opened and any remittance enclosed is recorded and credited under your name. It is here your order is given its official number and a post card acknowledgment sent to you.

After mailing your order, please wait a reasonable length of time for this postal acknowledgment.

Unless prompt shipment can be made, you will be notified of the progress of your order and fully informed of any unforeseen delay.

Every article in this book (with the exception of a few made-to-order items) is carried in stock ready for immediate shipment from our headquarters warehouses here in Chicago or will be promptly shipped from warehouses at points of purchase as stated in the descriptions.

Make use of the index. It saves you time and tells you where the item you are looking for may be found in all sections of this book.

An order blank and return envelope are enclosed. Use them for your order and ask for more. All orders from the same home should be sent to us always under the same name, preferably the name of the head of the family.

Club together with your neighbors. Have them include their orders with yours and get the benefit of large shipments at all times.

Write us in any language. We maintain a foreign department for your convenience.

Wherever possible include cash in full with your order in conformity with our regular terms. Postoffice money orders, express money orders, bank drafts, cash ***by registered mail,*** postage stamps or your personal check are acceptable. Where possible avoid sending cash by mail.

If you are forced to enclose cash be sure to register your letter. We are not responsible for cash lost in the mails.

Avoid C. O. D. shipments wherever possible. They are the constant cause of trouble and inconvenience to our customers and offer no possible advantages.

Our system of handling remittances and orders which come to us from our customers is designed to prevent irregularities. Occasionally mistakes will happen and we expect you to call them to our attention.

If you ever have occasion to return anything to us, please pack or wrap it carefully and place your letter of instructions in the package.

Kindly notify us at once if you change your address. This will enable us to send your mail, orders and catalogs to the correct address.

When in Chicago remember our "latch string" is always out to you. You will find our Plant is as interesting as an expedition.

Parcel Post Shipments

Postage in stamps or a sufficient amount to cover delivery must accompany your order.

Merchandise shipped by mail takes the Parcel Post rates as outlined in this table.

Packages up to 4 ozs. are carried for 1c an ounce regardless of distance. If over 4 ozs. they are charged for by the pound.

Size Limit If the combined length and girth measure of a package does not exceed 7 ft., it can be shipped by Parcel Post.

Insurance protection on Parcel Post shipments can be had as follows:

3c insures a package up to $5.00.
5c insures a package up to $25.00.
10c insures a package up to $50.00.
25c insures a package up to $100.00.

Weight Limit A package weighing up to 70 lbs. can be mailed in the first and second zones only. In other zones a package must not weigh over 50 lbs.

FREIGHT SHIPMENTS

The Freight Tables Below The tables below show the freight rates per 100 lbs. on shipments from Chicago to properly distributed cities in each state. The railroad companies use these cities as a basis for figuring freight rates to the town in the immediate vicinity of the cities given. By referring to the classification and the freight tables below, you can come within a few cents of the correct freight rate to your town from Chicago on less carloads. Carload rates furnished on application.

How to Figure Freight Charge First look through the classification table directly below and find what class covers the merchandise you wish shipped; then refer to the table of freight rates to the nearest town to your shipping point. Follow the line of that town to the column showing the classification of the goods you wish shipped, and this will give you the freight rate per 100 lbs. within a few cents of the actual charge.

Classification of Material and Merchandise When Shipped by Freight

The railroad companies discriminate in the goods to be shipped and classify them as shown in the tables below in four different classifications. This is how they base the freight rates on all merchandise to every section of the country.

In order that you can figure the correct freight rate to your station, we have classified merchandise which will cover shipments of almost any nature. If you are unable to find the particular article you wish shipped, find that which nearest resembles it.

	Class
Adding Machines	*1½T1
Angle Bars and Plates	4
Anvils	4
Anvil Vise and Drill Comb	3
Asbestos Felt or Paper	3
Asbestos Roofing	4
Asphalt Shingles	4
Asphalt Paint in Wood	3
Barb Wire	4
Barn Door Hanger Rails	3
Barrows, Wheel	1½T1
Basins, Lavatory Iron	2
Bath Tubs, Iron & Steel	1
Bath Tub Fittings	2
Bathroom Cabinets	1
Beams, Columns, Guides, Trusses	4
Beams, Iron or Steel	4
Beds, Folding Iron	2
Beds, Three Pieces, Bedstead Ends and Rails	2
Bedstead Rails and Wire Springs	1
Bedstead Slats, Wooden	3
Bells	1
Belting	2
Blowers, Air	1
Boilers, Heating, Iron or Steel	2
Buckets, Building, Conveying, Dredging and Dump Hoisting	2
Buffets and China Closets or Sideboards Combined	1½T1
Cabinets, China	**D1
Cabinets, Kitchen	D1
Cabinets, Medicine, Toilet, Bathroom or Lavatory	1
Cabinets, Stove or Range	1
Cabinets, Wall	1½T1
Camp Chairs	1
Carpets	1
Casings, Boiler	4
Chairs, Wooden	D1
Chairs, Revolving	D1
Chairs & Ladders, Combined	1½T1
Channels, Iron or Steel	4
Columns, Wooden	3
Columns, Iron or Steel	4
Concrete Block Machines	1
Conductor Pipe	1
Console Mirrors	1
Corn Shellers, hand	2
Corn Shellers, Power	1
Couches, Wooden	D1
Couches, Bamboo, Cane, Fibre & Grass Rattan Reed or Willow	***3T1
Cream Separators, Centrifugal	2
Desks	2
Doors, Wood, Glazed	1
Doors, Wood, Not Glazed	3
Doors, Vault	2
Drain Boards and Sinks, Backs, Combinations	1
Drain Boards, Iron or Steel	3
Eave Troughs	1
Engines, Steam	1
Feed Boxes, Iron or steel	1½
Fence Gates, Iron or steel	3
Fence Post, Iron or steel	4
Fittings, Bath Tub	2
Fittings, Lavatory	2
Fittings, Pipe	4
Flooring, Tile	2
Flues, Boiler	4
Forges, Portable	1
Furnace, Castings	3
Furnace, Heating	3
Gates, Wood, Iron or Wire	3
Gates, Wood and Iron Comb	1
Glass Comm. Window Boxed	3
Glass, Plate, not bent, 120 in. or under	1
Exceeding 120 in. but not over 15 ft.	1
Hardware	2
Hay Presses	1
Hay Presses and Engines	1
Houses, Portable	2
Huskers, Corn, Power	1
Incubators	1
Iron Angles, Band, Structural	4
Jack Screws	1
Lath, Wooden	4
Lathing, Metal	4
Lavatories, Iron or Steel	2
Lavatories, Iron Basins or Bowls	2
Linoleum	2
Lumber LCL	4
Machinery	1
Mantels, Wooden	2
Nails, Iron or Steel	4
Paint in kits or pails	4
Paper, Building	3
Paper, Roofing	3
Piling, Wooden	4
Pipe Fittings	4
Pipe, Iron	4
Plasterboard	3
Posts, Iron or steel	4
Posts, Wooden	4
Pulleys	3
Radiators, Hot Water or Steam	3
Range, Boiler Stands	2
Range, Closet	1
Range, Gas and Gasoline	1
Ridge Roll Metal	2
Roofing, Iron	4
Range Boilers	3
Ranges and Stoves, Coal	3
Refrigerators	2
Roofing, Prepared	4
Rope, Wire	4
Rugs	1
Safes, Kitchen	1½
Safes, Iron	2
Sewing Machines	1
Shingles, Wooden	4
Sash, Glazed	2
Sash, Unglazed	3
Stoves (See Ranges).	
Wallboard	3
Wire, Barbed	4
Wire Gates	3
Water Closet Bowls, Iron	3
Wire Fencing	3

*1½T1 Means 1½ times 1st class.
**D1 Means Double 1st class.
***3T1 Means 3 times 1st class.

The Freight Rates Below Are for 100 Lbs. to Towns Covering Each State

	1st Class Per 100 lbs	2nd Class Per 100 lbs.	3rd Class Per 100 lbs.	4th Class Per 100 lbs.
ALABAMA—				
Birmingham	$1.91	$1.61	$1.34	$1.08
Brewton	2.29	1.97	1.69	1.35
Mobile	2.05	1.74	1.43	1.24
Montgomery	2.19	1.91	1.64	1.28
ARIZONA—				
Phoenix	4.36	3.77	3.14	2.63
Tucson	4.36	3.77	3.14	2.63
ARKANSAS—				
Arkansas City	2.04	1.72	1.35	1.20
Fort Smith	2.04	1.72	1.35	1.20
Hot Springs	2.00	1.69	1.36	1.17
Little Rock	1.91	1.60	1.31	1.12
Texarkana	2.18	1.83	1.49	1.28
CALIFORNIA—				
Bakersfield	5.10	4.43	3.60	3.12
Los Angeles	5.10	4.43	3.60	3.12
San Francisco	5.10	4.43	3.60	3.12
COLORADO—				
Denver	2.74	2.21	1.68	1.30
Durango	4.70	2.56	3.15	2.36
Grand Junction	2.56	3.35	2.78	2.24
Julesburg	3.98	2.14	1.63	1.30
Leadville	3.98	3.35	2.76	2.11
CONNECTICUT—				
Hartford	1.49	1.31	.99	.70
DELAWARE—				
Dover	1.42	1.26	.96	.68
DISTRICT OF COLUMBIA—				
Washington	1.40	1.23	.92	.64
FLORIDA—				
Jacksonville	2.15	1.82	1.60	1.40
Miami	3.51	2.14	2.71	2.38
Pensacola	2.05	1.74	1.43	1.24
Tallahassee	2.88	2.43	2.14	1.72
Tampa	2.86	2.43	2.07	1.85
GEORGIA—				
Atlanta	2.32	1.99	1.69	1.37
Macon	2.32	1.99	1.69	1.37
Savannah	2.15	1.78	1.60	1.40
Waycross	2.71	2.32	2.05	1.70
IDAHO—				
Boise	4.22	3.62	3.05	2.49
Pocatello	3.98	3.35	2.78	2.24
ILLINOIS—				
Cairo	.89	.76	.60	.45
Joliet	.42	.25	.28	.21
Rock Island	.67	.57	.45	.34
Springfield	.71	.61	.48	.43
INDIANA—				
Evansville	.81	.69	.54	.41
Fort Wayne	.64	.54	.43	.33
Indianapolis	.71	.61	.48	.36
Richmond	.76	.64	.51	.38
South Bend	.53	.45	.39	.27
IOWA—				
Des Moines	.92	.73	.55	.42
Fort Dodge	.99	.79	.60	.45
Sioux City	1.22	.99	.70	.49
KANSAS—				
Dodge City	2.47	2.12	1.65	1.27
Great Bend	1.94	1.86	1.45	1.18
Topeka	1.52	1.25	.90	.66
Wichita	1.98	1.69	1.32	1.00
KENTUCKY—				
Frankfort	$1.12	$0.96	$0.79	$0.61
Hopkinsville	1.21	.98	.83	.70
Louisville	.84	.71	.57	.42
Morehead	1.53	1.28	1.00	.73
LOUISIANA—				
Lake Charles	2.38	2.01	1.63	1.41
New Orleans	2.04	1.74	1.43	1.24
Shreveport	2.32	1.96	1.61	1.37
MAINE—				
Bangor	1.49	1.31	.99	.70
MARYLAND—				
Baltimore	1.40	1.23	.92	.64
MASS.—				
Boston	1.49	1.31	.99	.70
MICHIGAN—				
Bessemer	.99	.84	.68	.43
Detroit	.29	.68	.53	.40
Grand Rapids	.75	.63	.51	.33
Traverse City	.98	.82	.66	.49
MINNESOTA—				
Aitkin	1.42	1.20	.96	.64
Crookston	1.79	1.50	1.20	.85
Duluth	.99	.84	.68	.43
Grand Rapids	1.51	1.25	1.00	.68
Minneapolis	.92	.77	.61	.39
Winona	.77	.64	.51	.36
MISSISSIPPI—				
Hattiesburg	1.95	1.64	1.41	1.17
Jackson	1.96	1.67	1.38	1.18
Natchez	1.66	1.35	2.14	.88
MISSOURI—				
Kansas City	1.22	.99	.70	.49
St. Louis	.79	.68	.53	.40
Springfield	1.24	1.10	.77	.57
MONTANA—				
Billings	3.76	3.14	2.54	2.05
Glasgow	3.39	2.88	2.33	1.78
Havre	3.76	3.22	2.61	2.05
Helena	3.98	3.40	2.73	2.24
Kalispell	4.13	3.53	2.90	2.36
Miles City	3.39	2.88	2.33	1.78
NEBRASKA—				
Lincoln	1.30	1.07	.75	.56
North Platte	2.38	1.98	1.51	1.20
Omaha	1.22	.99	.70	.49
NEVADA—				
Austin	5.37	4.75	4.12	3.50
Carson City	4.71	4.12	3.48	2.99
N.HAMPSHIRE—				
Concord	1.49	1.31	.99	.70
NEW JERSEY—				
Atlantic City	1.50	1.33	1.02	.74
Trenton	1.42	1.29	.95	.67
NEW MEXICO—				
Gallup	4.36	3.77	3.14	2.63
Santa Fe	3.31	2.83	2.28	1.91
Silver City	3.91	3.32	2.74	2.34
NEW YORK—				
Albany	1.36	1.20	.91	.64
Buffalo	.98	.84	.66	.50
New York	1.42	1.25	.95	.67
Syracuse	1.14	1.00	.76	.53
N. CAROLINA—				
Raleigh	1.96	1.70	1.34	.99
Wilmington	1.96	1.66	1.30	.99
N. DAKOTA—				
Bismarck	$2.44	$2.06	$1.63	$1.18
Fargo	1.78	1.50	1.18	.82
Grand Forks	1.89	1.59	1.27	.90
Minot	2.67	2.27	1.86	1.34
Williston	3.04	2.53	2.07	1.52
OHIO—				
Cincinnati	.81	.69	.54	.41
Columbus	.84	.71	.57	.43
Toledo	.76	.65	.52	.39
OKLAHOMA—				
Oklahoma City	2.28	1.96	1.63	1.33
OREGON—				
Portland	5.11	4.43	3.68	3.12
PENNSYLVANIA				
Harrisburg	1.40	1.23	.92	.64
Philadelphia	1.41	1.24	.93	.65
Pittsburgh	.98	.84	.66	.50
RHODE ISLAND				
Providence	1.49	1.31	.99	.70
S. CAROLINA—				
Charleston	2.15	1.82	1.61	1.40
Greenville	2.30	2.11	1.80	1.42
Sumter	2.32	2.11	1.80	1.42
SOUTH DAKOTA				
Aberdeen	1.74	1.45	1.03	.77
Bellefourche	2.95	2.47	2.05	1.68
Sioux Falls	1.27	1.03	.72	.52
Watertown	1.46	1.25	.97	.70
TENNESSEE—				
Jackson	1.59	1.32	1.07	.88
Knoxville	1.88	1.60	1.35	1.07
Memphis	1.51	1.28	1.06	.90
Nashville	1.48	1.23	.99	.80
TEXAS—				
El Paso	3.35	2.83	2.32	1.98
Fort Worth	2.54	2.15	1.77	1.61
Houston	2.54	2.15	1.77	1.61
UTAH—				
Marysvale	4.68	4.03	3.43	2.86
Salt Lake City	3.98	3.35	2.78	2.24
VERMONT—				
Montpelier	1.49	1.31	.99	.70
VIRGINIA—				
Marion	1.61	1.41	1.33	.77
Richmond	1.40	1.23	.92	.34
Winchester	1.40	1.23	.92	.66
WASHINGTON—				
Seattle	5.11	4.43	3.68	3.12
Spokane	4.36	3.77	3.14	2.63
W. VIRGINIA—				
Charleston	.99	.84	.66	.50
Elkins	1.14	1.00	.76	.56
Wheeling	.99	.84	.66	.50
WISCONSIN—				
Ashland	.99	.84	.68	.43
La Crosse	.77	.64	.51	.36
Madison	.61	.52	.41	.31
Marinette	.66	.55	.45	.35
Milwaukee	.52	.45	.35	.27
WYOMING—				
Cheyenne	2.74	2.21	1.68	1.30
Green River	3.84	2.33	2.68	2.15
Lander	4.21	3.50	2.78	2.23
Sheridan	3.76	3.14	2.54	2.05

EXPRESS SHIPMENTS

The Express Rates Below **In the tables below you will find the latest express rates per 100 lbs. on shipments from Chicago to well distributed cities in each state.** You can use these cities to figure charges to your town. Look over the table and find the city nearest to you. If you wish to know the exact express charges on any article in this book to your station, write us, or ask your express agent.

How to Figure Express Charges **Refer to the weight of the articles to be shipped given in** the description in our catalog; then find the express rate per 100 lbs. to the nearest point to your town given in the express rates below; then note the rate per 100 lbs. in the scale of express charges, and follow the line of the weight of your goods to the column headed by the rate per 100 lbs. to your station. This will give you the correct express charges.

The Express Rates Below Are for 100 Pounds to Towns Covering Each State

From Chicago to	P.Post Zone	Per 100 Pounds
ALABAMA—		
Birmingham	4	$ 3.53
Brewton	5	4.16
Mobile	5	4.30
Montgomery	5	3.81
ARIZONA—		
Phoenix	7	11.29
Tucson	6	10.12
ARKANSAS—		
Arkansas City	4	3.67
Fort Smith	4	4.22
Hot Springs	4	4.22
Little Rock	4	3.88
Texarkana	5	4.57
CALIFORNIA—		
Bakersfield	7	12.54
Los Angeles	7	12.54
San Francisco	8	13.09
COLORADO—		
Denver	5	6.02
Durango	6	8.38
Grand Junction	6	11.98
Julesberg	5	5.33
Leadville	5	7.13
CONNECTICUT—		
Hartford	5	3.74
DELAWARE—		
Dover	5	3.39
DIST. OF COLUM.		
Washington	4	3.33
FLORIDA—		
Jacksonville	5	4.99
Miami	6	6.51
Pensacola	5	4.50
Tallahassee	5	4.64
Tampa	5	5.75
GEORGIA—		
Atlanta	4	3.81
Macon	5	4.16

From Chicago to	P.Post Zone	Per 100 Pounds
GEORGIA—Cont.		
Savannah	5	$ 4.64
Waycross	5	4.57
IDAHO—		
Boise	7	10.87
Pocatello	6	9.70
ILLINOIS—		
Cairo	4	2.28
Joliet	1	1.03
Rock Island	2	1.59
Springfield	3	1.80
INDIANA—		
Evansville	3	1.73
Fort Wayne	2	1.39
Indianapolis	2	1.39
Richmond	3	1.73
South Bend	2	1.03
IOWA—		
Des Moines	3	2.70
Fort Dodge	4	2.91
Sioux City	4	3.60
KANSAS—		
Dodge City	5	4.91
Great Bend	5	4.36
Kansas City	4	3.11
Topeka	4	3.11
Wichita	4	4.36
KENTUCKY—		
Frankfort	3	2.14
Hopkinsville	4	2.42
Louisville	3	1.94
Morehead	4	2.42
LOUISIANA—		
Lake Charles	5	4.99
New Orleans	5	4.50
Shreveport	5	4.71
MAINE—		
Bangor	5	4.08
MARYLAND—		
Baltimore	4	3.11

From Chicago to	P.Post Zone	Per 100 Pounds
MASSACHUS'TS—		
Boston	5	$ 3.67
MICHIGAN—		
Bessemer	4	3.11
Detroit	3	1.73
Grand Rapids	2	1.39
Traverse City	3	2.22
MINNESOTA—		
Atkin	4	3.88
Crookston	4	4.44
Duluth	4	3.53
Grand Rapids	4	4.02
Minneapolis	4	2.97
Winona	3	2.56
MISSISSIPPI—		
Hattiesburg	5	4.02
Jackson	5	3.88
Natchez	5	4.22
MISSOURI—		
Kansas City	4	3.11
St. Louis	3	2.14
Springfield	4	3.33
MONTANA—		
Billings	6	7.48
Glasgow	6	6.58
Havre	6	7.69
Helena	6	9.07
Kalispell	6	9.42
Miles City	5	6.51
NEBRASKA—		
Lincoln	4	3.60
North Platte	5	4.91
Omaha	4	3.33
NEVADA—		
Austin	7	11.50
Carson City	7	12.20
NEW HAMP.—		
Concord	5	3.74
NEW JERSEY—		
Atlantic City	5	3.53
Trenton	5	3.53

From Chicago to	P.Post Zone	Per 100 Pounds
NEW MEXICO—		
Gallup	6	$ 8.87
Santa Fe	6	6.79
Silver City	6	9.21
NEW YORK—		
Albany	5	3.39
Buffalo	4	2.70
New York	5	3.53
Syracuse	4	2.97
N. CAROLINA—		
Raleigh	5	4.30
Wilmington	5	4.64
NORTH DAKOTA—		
Bismarck	5	5.27
Fargo	4	4.22
Grand Forks	5	4.71
Minot	5	5.47
Williston	5	5.88
OHIO—		
Cincinnati	3	1.94
Columbus	3	2.28
Toledo	3	1.80
OKLAHOMA—		
Oklahoma City	5	4.99
OREGON—		
Portland	7	12.47
PENNSYLVANIA—		
Harrisburg	4	3.19
Philadelphia	5	3.39
Pittsburgh	4	2.56
RHODE ISLAND—		
Providence	5	3.74
S. CAROLINA—		
Charleston	5	4.91
Greenville	4	4.30
Sumter	5	4.64
SOUTH DAKOTA—		
Aberdeen	4	4.57

From Chicago to	P.Post Zone	Per 100 Pounds
S. DAKOTA—Cont.		
Bellefourche	5	$ 5.47
Sioux Falls	4	3.60
Watertown	4	4.02
TENNESSEE—		
Jackson	4	2.91
Knoxville	4	3.53
Memphis	4	3.11
Nashville	4	2.63
TEXAS—		
El Paso	6	8.45
Fort Worth	5	5.54
Houston	5	5.88
UTAH—		
Marysvale	6	10.32
Salt Lake City	6	9.35
VERMONT—		
Montpelier	5	3.67
VIRGINIA—		
Marion	4	3.60
Richmond	4	3.81
Rocky Mount	4	3.81
WASHINGTON—		
Seattle	7	12.12
Spokane	7	10.95
WEST VIRGINIA—		
Charleston	4	2.77
Elkins	4	3.25
Wheeling	4	2.42
WISCONSIN—		
Ashland	4	3.33
La Crosse	3	2.08
Madison	2	1.80
Marinette	2	2.63
Milwaukee	2	1.45
WYOMING—		
Cheyenne	5	5.96
Green River	6	8.24
Lander	6	7.62
Sheridan	5	6.72

The Scale of Express Charges Below Is Based on the 100 Pound Rate

Rate per 100 lbs.	$1.03	$1.39	$1.45	$1.59	$1.73	$1.80	$1.94	$2.08	$2.14	$2.22	$2.28	$2.42	$2.56	$2.63	$2.70
CHARGES ON															
Package of 1 lb.	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.37	.38	.38	.38
Package of 2 lbs.	.37	.37	.38	.38	.38	.38	.38	.38	.39	.39	.39	.39	.39	.39	.39
Package of 5 lbs.	.38	.40	.40	.40	.42	.42	.43	.43	.43	.44	.44	.44	.45	.45	.45
Package of 10 lbs.	.40	.44	.45	.47	.48	.48	.50	.52	.53	.53	.54	.55	.57	.57	.58
Package of 15 lbs.	.44	.50	.53	.53	.55	.57	.58	.60	.60	.62	.64	.66	.68	.69	.69
Package of 20 lbs.	.47	.55	.58	.59	.62	.64	.67	.69	.71	.72	.73	.76	.79	.81	.82
Package of 25 lbs.	.50	.60	.64	.66	.69	.71	.74	.78	.79	.82	.83	.86	.89	.92	.93
Package of 30 lbs.	.53	.66	.69	.72	.76	.78	.82	.86	.88	.89	.93	.97	1.01	1.02	1.06
Package of 35 lbs.	.57	.71	.76	.78	.83	.86	.89	.96	.97	1.00	1.02	1.07	1.12	1.15	1.16
Package of 40 lbs.	.59	.76	.82	.84	.89	.93	.98	1.03	1.07	1.10	1.12	1.17	1.23	1.26	1.29
Package of 45 lbs.	.62	.82	.87	.89	.97	1.00	1.07	1.12	1.15	1.20	1.22	1.27	1.35	1.37	1.40

Rate per 100 lbs.	$2.77	$2.91	$2.97	$3.11	$3.19	$3.25	$3.33	$3.39	$3.53	$3.60	$3.67	$3.74	$3.81	$3.88	$4.02	$4.08	$4.16	$4.22	$4.30	$4.36	$4.44	$4.50
CHARGES ON																						
Package of 1 lb.	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.38	.39	.39	.39	.39	.39	.39	.39	.39	.39
Package of 2 lbs.	.39	.40	.40	.40	.40	.40	.40	.40	.42	.42	.42	.42	.42	.42	.42	.42	.42	.43	.43	.43	.43	.43
Package of 5 lbs.	.47	.47	.47	.48	.48	.48	.50	.50	.50	.52	.52	.52	.52	.53	.53	.53	.54	.54	.54	.54	.55	.55
Package of 10 lbs.	.58	.59	.60	.62	.62	.64	.64	.66	.67	.67	.68	.68	.69	.69	.71	.72	.72	.73	.73	.74	.74	.76
Package of 15 lbs.	.71	.72	.73	.76	.78	.78	.79	.81	.82	.83	.84	.86	.86	.87	.89	.89	.92	.93	.95	.95	.96	.97
Package of 20 lbs.	.83	.84	.87	.89	.92	.93	.95	.96	.98	1.00	1.01	1.02	1.03	1.06	1.08	1.10	1.11	1.12	1.13	1.15	1.16	1.17
Package of 25 lbs.	.96	.97	1.00	1.03	1.06	1.07	1.10	1.11	1.13	1.16	1.17	1.20	1.21	1.23	1.26	1.27	1.30	1.31	1.34	1.35	1.37	1.39
Package of 30 lbs.	1.07	1.10	1.13	1.17	1.20	1.22	1.23	1.26	1.30	1.31	1.35	1.36	1.39	1.40	1.44	1.47	1.49	1.51	1.52	1.55	1.56	1.59
Package of 35 lbs.	1.20	1.22	1.26	1.31	1.35	1.36	1.39	1.41	1.45	1.49	1.51	1.54	1.55	1.58	1.64	1.65	1.68	1.70	1.73	1.75	1.78	1.80
Package of 40 lbs.	1.31	1.35	1.40	1.45	1.49	1.51	1.54	1.56	1.63	1.65	1.68	1.70	1.74	1.76	1.81	1.84	1.86	1.90	1.93	1.95	1.98	2.00
Package of 45 lbs.	1.44	1.47	1.52	1.59	1.63	1.65	1.69	1.71	1.78	1.81	1.84	1.86	1.90	1.94	1.99	2.03	2.07	2.09	2.12	2.14	2.19	2.22

Rate per 100 lbs.	$4.57	$4.64	$4.71	$4.91	$4.99	$5.27	$5.33	$5.47	$5.54	$5.75	$5.88	$5.96	$6.02	$6.51	$6.58	$6.72	$6.79	$7.13	$7.48	$7.62	$7.69
CHARGES ON																					
Package of 1 lb.	.39	.39	.39	.39	.39	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.42	.42	.42	.42	.42	.42
Package of 2 lbs.	.43	.43	.43	.44	.44	.44	.44	.44	.44	.45	.45	.45	.45	.47	.47	.47	.47	.48	.48	.48	.50
Package of 5 lbs.	.55	.55	.57	.57	.58	.59	.59	.59	.60	.60	.62	.62	.62	.66	.66	.67	.67	.68	.69	.71	.71
Package of 10 lbs.	.76	.78	.78	.81	.81	.83	.84	.86	.86	.88	.88	.89	.92	.96	.97	.98	.98	1.02	1.06	1.07	1.08
Package of 15 lbs.	.98	.98	1.00	1.02	1.03	1.08	1.10	1.11	1.12	1.15	1.16	1.20	1.20	1.27	1.27	1.30	1.31	1.36	1.41	1.44	1.44
Package of 20 lbs.	1.20	1.21	1.22	1.26	1.27	1.34	1.35	1.37	1.39	1.42	1.44	1.47	1.49	1.58	1.59	1.63	1.64	1.70	1.78	1.80	1.81
Package of 25 lbs.	1.40	1.41	1.44	1.49	1.51	1.58	1.59	1.63	1.65	1.69	1.71	1.75	1.76	1.89	1.90	1.94	1.95	2.04	2.13	2.17	2.18
Package of 30 lbs.	1.61	1.64	1.65	1.71	1.73	1.81	1.84	1.89	1.90	1.97	1.98	2.03	2.05	2.19	2.22	2.26	2.27	2.38	2.48	2.52	2.55
Package of 35 lbs.	1.83	1.84	1.86	1.94	1.97	2.07	2.09	2.13	2.17	2.23	2.26	2.32	2.33	2.51	2.52	2.58	2.61	2.72	2.84	2.90	2.91
Package of 40 lbs.	2.04	2.07	2.09	2.18	2.21	2.32	2.34	2.39	2.42	2.51	2.56	2.60	2.62	2.81	2.84	2.90	2.92	3.06	3.20	3.25	3.29
Package of 45 lbs.	2.24	2.27	2.32	2.39	2.44	2.56	2.60	2.65	2.68	2.77	2.84	2.87	2.90	3.11	3.15	3.21	3.24	3.39	3.57	3.62	3.64

Rate per 100 lbs.	$8.24	$8.38	$8.45	$8.87	$9.07	$9.21	$9.35	$9.42	$9.70	$10.12	$10.32	$10.87	$10.95	$11.29	$11.50	$11.98	$12.12	$12.20	$12.47	$13.09
CHARGES ON																				
Package of 1 lb.	.43	.43	.43	.43	.43	.43	.43	.44	.44	.44	.44	.45	.45	.45	.45	.45	.45	.47	.47	.47
Package of 2 lbs.	.50	.52	.52	.52	.53	.53	.53	.53	.53	.54	.54	.55	.55	.57	.57	.58	.58	.58	.58	.59
Package of 5 lbs.	.73	.74	.74	.78	.78	.79	.79	.81	.82	.83	.84	.87	.87	.88	.89	.93	.93	.95	.96	.98
Package of 10 lbs.	1.13	1.15	1.15	1.20	1.22	1.23	1.25	1.25	1.27	1.31	1.35	1.40	1.40	1.44	1.45	1.51	1.52	1.52	1.55	1.63
Package of 15 lbs.	1.52	1.55	1.56	1.63	1.65	1.68	1.69	1.70	1.75	1.81	1.84	1.93	1.94	1.98	2.03	2.09	2.10	2.12	2.17	2.26
Package of 20 lbs.	1.98	1.95	1.97	2.05	2.09	2.12	2.14	2.17	2.22	2.31	2.34	2.46	2.47	2.53	2.58	2.67	2.70	2.72	2.77	2.90
Package of 25 lbs.	2.32	2.36	2.37	2.48	2.52	2.56	2.60	2.62	2.68	2.78	2.84	2.97	3.00	3.07	3.14	3.25	3.29	3.31	3.38	3.53
Package of 30 lbs.	2.72	2.76	2.77	2.90	2.96	3.01	3.05	3.06	3.15	3.28	3.34	3.50	3.52	3.63	3.69	3.84	3.88	3.89	3.98	4.17
Package of 35 lbs.	3.10	3.16	3.19	3.33	3.39	3.45	3.49	3.52	3.62	3.77	3.84	4.03	4.06	4.17	4.26	4.42	4.46	4.49	4.59	4.81
Package of 40 lbs.	3.50	3.57	3.59	3.75	3.84	3.89	3.94	3.98	4.08	4.26	4.33	4.56	4.59	4.73	4.81	5.00	5.05	5.09	5.19	5.44
Package of 45 lbs.	3.89	3.97	3.99	4.18	4.27	4.33	4.40	4.44	4.56	4.74	4.84	5.09	5.12	5.27	5.37	5.58	5.64	5.68	5.81	6.09

PARCEL POST SHIPMENTS

The Extent and Advantages of the Parcel Post System

PARCEL POST service offers a convenient, quick and efficient means of transporting mailable parcels to every postoffice in the United States, or its possessions. This service reaches more places than any other transportation agency. Consider the comparative speed of Parcel Post shipments and without disregard for the big economy in freight shipments, the Postoffice offers a most economical delivery service. Reference to the table below shows the variation of charges according to the zone in which your postoffice is located. Parcel Post packages are handled with the same accuracy as any other mail matter. If you live in the city where your mail is delivered to your door, your Parcel Post shipments will come to your door. The rural mail carrier will deliver them to your mail box. If there is no mail carrier in your town, they are delivered to your nearest postoffice.

Charges for Packages Shipped by Parcel Post

The Preceding Page Will Help You Locate Your Zone from Chicago

WEIGHT IN POUNDS	LOCAL	ZONES							
		First, up to 50 miles	Second, 50 to 150 miles	Third, 150 to 300 miles	Fourth, 300 to 600 miles	Fifth, 600 to 1,000 miles	Sixth, 1,000 to 1,400 miles	Seventh, 1,400 to 1,800 miles	Eighth, over 1,800 miles
1	$0.05	$0.05	$0.05	$0.06	$0.07	$0.08	$0.09	$0.11	$0.12
2	.06	.06	.06	.08	.11	.14	.17	.21	.24
3	.06	.07	.07	.10	.15	.20	.25	.31	.36
4	.07	.08	.08	.12	.19	.26	.33	.41	.48
5	.07	.09	.09	.14	.23	.32	.41	.51	.60
6	.08	.10	.10	.16	.27	.38	.49	.61	.72
7	.08	.11	.11	.18	.31	.44	.57	.71	.84
8	.09	.12	.12	.20	.35	.50	.65	.81	.96
9	.09	.13	.13	.22	.39	.56	.73	.91	1.08
10	.10	.14	.14	.24	.43	.62	.81	1.01	1.20
11	.10	.15	.15	.26	.47	.68	.89	1.11	1.32
12	.11	.16	.16	.28	.51	.74	.97	1.21	1.44
13	.11	.17	.17	.30	.55	.80	1.05	1.31	1.56
14	.12	.18	.18	.32	.59	.86	1.13	1.41	1.68
15	.12	.19	.19	.34	.63	.92	1.21	1.51	1.80
16	.13	.20	.20	.36	.67	.98	1.29	1.61	1.92
17	.13	.21	.21	.38	.71	1.04	1.37	1.71	2.04
18	.14	.22	.22	.40	.75	1.10	1.45	1.81	2.16
19	.14	.23	.23	.42	.79	1.16	1.53	1.91	2.28
20	.15	.24	.24	.44	.83	1.22	1.61	2.01	2.40
21	.15	.25	.25	.46	.87	1.28	1.69	2.11	2.52
22	.16	.26	.26	.48	.91	1.34	1.77	2.21	2.64
23	.16	.27	.27	.50	.95	1.40	1.85	2.31	2.76
24	.17	.28	.28	.52	.99	1.46	1.93	2.41	2.88
25	.17	.29	.29	.54	1.03	1.52	2.01	2.51	3.00
26	.18	.30	.30	.56	1.07	1.58	2.09	2.61	3.12
27	.18	.31	.31	.58	1.11	1.64	2.17	2.71	3.24
28	.19	.32	.32	.60	1.15	1.70	2.25	2.81	3.36
29	.19	.33	.33	.62	1.19	1.76	2.33	2.91	3.48
30	.20	.34	.34	.64	1.23	1.82	2.41	3.01	3.60
31	.20	.35	.35	.66	1.27	1.88	2.49	3.11	3.72
32	.21	.36	.36	.68	1.31	1.94	2.57	3.21	3.84
33	.21	.37	.37	.70	1.35	2.00	2.65	3.31	3.96
34	.22	.38	.38	.72	1.39	2.06	2.73	3.41	4.08
35	.22	.39	.39	.74	1.43	2.12	2.81	3.51	4.20
36	.23	.40	.40	.76	1.47	2.18	2.89	3.61	4.32
37	.23	.41	.41	.78	1.51	2.24	2.97	3.71	4.44
38	.24	.42	.42	.80	1.55	2.30	3.05	3.81	4.56
39	.24	.43	.43	.82	1.59	2.36	3.13	3.91	4.68
40	.25	.44	.44	.84	1.63	2.42	3.21	4.01	4.80
41	.25	.45	.45	.86	1.67	2.48	3.29	4.11	4.92
42	.26	.46	.46	.88	1.71	2.54	3.37	4.21	5.04
43	.26	.47	.47	.90	1.75	2.60	3.45	4.31	5.16
44	.27	.48	.48	.92	1.79	2.66	3.53	4.41	5.28
45	.27	.49	.49	.94	1.83	2.72	3.61	4.51	5.40
46	.28	.50	.50	.96	1.87	2.78	3.69	4.61	5.52
47	.28	.51	.51	.98	1.91	2.84	3.77	4.71	5.64
48	.29	.52	.52	1.00	1.95	2.90	3.85	4.81	5.76
49	.29	.53	.53	1.02	1.99	2.96	3.93	4.91	5.88
50	.30	.54	.54	1.04	2.03	3.02	4.01	5.01	6.00
51	.30	.55	.55	1.06					
52	.31	.56	.56	1.08					
53	.31	.57	.57	1.10					
54	.32	.58	.58	1.12					
55	.32	.59	.59	1.14					
56	.33	.60	.60	1.16					
57	.33	.61	.61	1.18					
58	.34	.62	.62	1.20					
59	.34	.63	.63	1.22					
60	.35	.64	.64	1.24					
61	.35	.65	.65	1.26					
62	.36	.66	.66	1.28					
63	.36	.67	.67	1.30					
64	.37	.68	.68	1.32					
65	.37	.69	.69	1.34					
66	.38	.70	.70	1.36					
67	.38	.71	.71	1.38					
68	.39	.72	.72	1.40					
69	.39	.73	.73	1.42					
70	.40	.74	.74	1.44					

PLEASE READ!

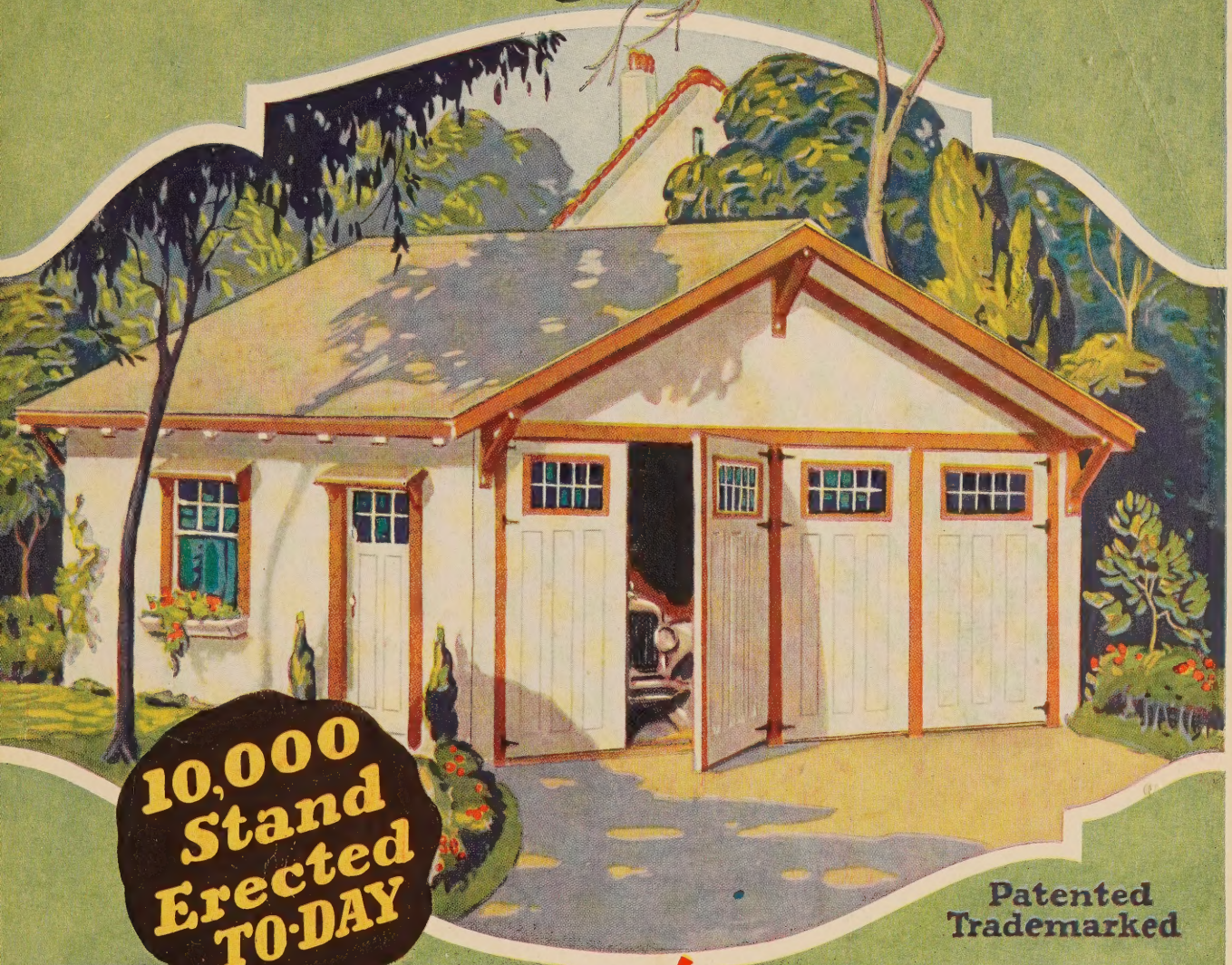
To assist us in giving you best service please be sure to include a sufficient amount to cover charges when shipment is to be made by Parcel Post.

Regan Printing House Chicago

AVERY LIBRARY COLUMBIA UNIVERSITY
AVERY LIBRARY COLUMBIA UNIVERSITY
AT 201 H24 1924

PRESTO-UP

"The Garage Complete"



10,000 Stand Erected TO-DAY

Patented Trademarked

It's Your Garage Because ~

IT'S the best, lowest priced and most conveniently erected PERMANENT garage that money can buy. Stronger and better looking than garages built in the old way. The easiest garage to buy because it's COMPLETE with all doors, windows and hardware in place, painted—ready to be erected and occupied in one day! No EXTRAS! Extremely low monthly payments, less than garage rent, pay for it in one year. At the end of this time you own the best garage made instead of a handful of rent receipts—a 100% investment.

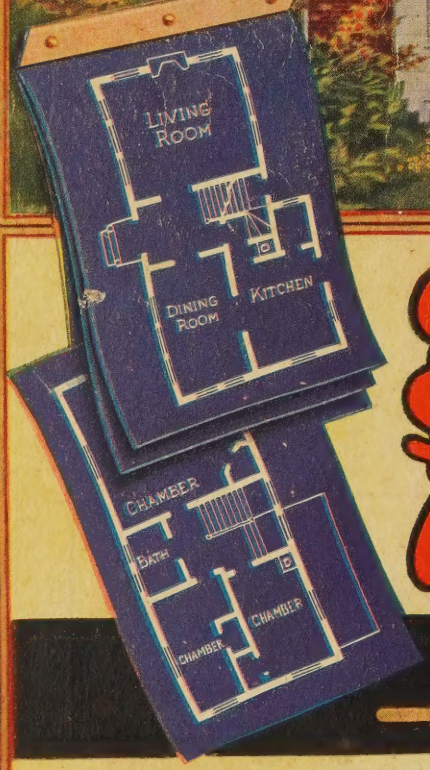
It's the only patented and trade marked building of its kind in America—the choice of men who know. It offers all you could wish for in a garage. Our low big volume prices are far below the amount you would pay for an ordinary garage!

Full Details will be found on pages 225 to 240 of this Book!

Americas foremost House Specialists have planned Your —

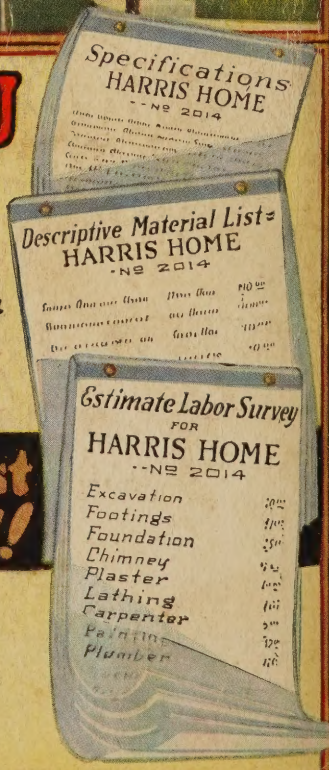
Harris Home Beautiful

FROM A PHOTO OF HARRIS HOME 2014



$2 BRING YOU

- **Blue Prints**
- **Specifications**
- **Descriptive Material List**
- **and Labor Survey**



Know the Finished Cost —before YOU Build!

THIS exclusive, thorough and painstaking service is yours on the above home or any one of more than a hundred other Harris Homes, shown on pages 97 to 190 of this book.

This offer is more fully explained on page 106.

HARRIS BROTHERS COMPANY 35th and Iron Streets CHICAGO